

**BEFORE THE
PUBLIC SERVICE COMMISSION OF
SOUTH CAROLINA**

DOCKET NO. 2021-1-E

In the Matter of)
Annual Review of Base Rates for Decrease)
in Residential and Lighting Customer Fuel)
Costs and for Increase in General Service)
Non-Demand and General Service Demand)
Customer Fuel Costs for Duke Energy)
Progress, LLC)
)

**DIRECT TESTIMONY OF
DANA M. HARRINGTON FOR
DUKE ENERGY PROGRESS, LLC**

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Dana M. Harrington, and my business address is 550 South Tryon Street,
3 Charlotte, North Carolina.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am a Rates Manager supporting both Duke Energy Progress, LLC (“DEP” or the
6 “Company”) and Duke Energy Carolinas, LLC (“DEC”).

7 **Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND**
8 **PROFESSIONAL EXPERIENCE.**

9 A. I received a Bachelor of Arts degree in Psychology with Honors from the University of
10 North Carolina at Chapel Hill and I am a certified public accountant licensed in the State
11 of North Carolina. I began my accounting career in 2005 with Greer and Walker, LLC as
12 a tax accountant and later a staff auditor. From 2007 until 2010 I was an Accounting
13 Analyst with Duke Energy in the Finance organization. In 2010, I joined the Rates
14 Department as a Lead Accounting Analyst where I spent eight years before being promoted
15 to the position of Rates and Regulatory Strategy Manager. I have served in the Rates
16 Manager capacity for two years.

17 **Q. HAVE YOU TESTIFIED BEFORE THIS COMMISSION IN ANY PRIOR**
18 **PROCEEDINGS?**

19 A. Yes, I testified in DEP’s 2019 and 2020 fuel costs proceedings in Docket Nos. 2019-1-E
20 and 2020-1-E.

21 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

22 A. The purpose of my testimony is to provide DEP’s actual fuel, capacity-related costs
23 including Public Utility Regulatory Policies Act of 1978 (“PURPA”) capacity,

1 environmental, and Distributed Energy Resource Program (“DERP”) cost data for March
2 1, 2020 through February 28, 2021 (the “review period”), the estimated fuel, capacity-
3 related costs, environmental, and DERP cost information for March 1, 2021 through June
4 30, 2021 (the “estimated period”), and DEP’s proposed fuel factors by customer class for
5 July 1, 2021 through June 30, 2022 (the “billing period”). I have provided fourteen exhibits
6 to support my testimony.

7 **Q. WHAT IS THE SOURCE OF THE ACTUAL INFORMATION AND DATA FOR**
8 **THE REVIEW PERIOD?**

9 A. Actual test period kilowatt hour (“kWh”) generation, kilowatt (“kW”) and kWh sales, fuel-
10 related revenues, fuel-related expenses, and DERP revenues and expenses were taken from
11 DEP’s books and records. These books, records, and reports of DEP are subject to review
12 by the appropriate regulatory agencies in the three jurisdictions that regulate DEP’s electric
13 rates.

14 In addition, independent auditors perform an annual audit to provide assurance that,
15 in all material respects, internal accounting controls are operating effectively and DEP’s
16 financial statements are accurate.

17 **Q. DOES DEP PURCHASE POWER AND HOW ARE THESE COSTS RECORDED?**

18 A. Yes. The Company continuously evaluates purchasing power if it can be reliably procured
19 and delivered at a price that is less than the variable cost of DEP’s generation. In
20 accordance with S.C. Code Ann. § 58-27-865(A), from its South Carolina retail customers,
21 DEP recovers an amount that is the lower of the purchase price or DEP’s avoided variable
22 cost for generating an equivalent amount of power. The Company also engages in

1 economy purchases and economy sales with DEC as a result of the Joint Dispatch
2 Agreement (“JDA”).

3 The Company also purchases power from certain suppliers that are treated as firm
4 generation capacity purchases. In accordance with S.C. Code Ann. § 58-27-865(A)(2)(a),
5 all amounts paid to these suppliers are recorded as recoverable fuel costs with the exception
6 of capacity charges.

7 Finally, the Company routinely purchases power from qualifying facilities under
8 PURPA. According to Act 236, set forth in S.C. Code Ann. § 58-27-865(A), the avoided
9 cost payments for such purchases are included in fuel costs recoverable from South
10 Carolina retail customers.

11 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 1.**

12 A. Harrington Exhibit No. 1 is a summary of DEP’s proposed fuel rate components for the
13 billing period. The components are: (1) base fuel costs, (2) capacity-related costs, (3)
14 DERP avoided costs, (4) variable environmental costs, and (5) DERP incremental costs.
15 Harrington Exhibit No. 1 presents proposed fuel rates for residential customers including
16 an amount added to account for the 5% discount provided to residential customers under
17 DEP’s SC Residential Service Energy Conservation Discount Rider RECD-2D. As shown
18 on Harrington Exhibit No. 6, this discount impacts approximately 14.1% of DEP’s South
19 Carolina residential sales. Exhibit No. 1 fuel rate components are supported by Harrington
20 Exhibit Nos. 2 through 14 and are individually discussed further in this testimony.

21 The following table shows the rates and monthly charges proposed by the Company
22 in this proceeding as reflected on Harrington Exhibit No. 1. The DERP incremental cost
23 component is computed as a dollar amount per customer account since these amounts are

subject to per-account cost caps established by Act 236. All other fuel components are computed as a cents per kWh rate or a cents per kW rate depending on the customer class.

DUKE ENERGY PROGRESS, LLC			Exhibit 1	
SOUTH CAROLINA RETAIL FUEL CASE			DOCKET NO. 2021-1-E	
CALCULATION OF TOTAL FUEL COMPONENT				
BILLING PERIOD JULY 1, 2021 TO JUNE 30, 2022				
Description	Customer Class			
	Cents / kWh			
	Residential	General Service (non-demand)	Lighting	General Service (demand)
Base Fuel Costs				
Base Fuel Cost Component (Over) / Under Recovered Balance as of June 30, 2021	0.139	0.139	0.139	0.139
Base Fuel Cost Component Projected Billing Period	1.735	1.735	1.735	1.735
Total Base Fuel Cost Component	1.874	1.874	1.874	1.874
Total Base Fuel Cost Component Increased for RECD	1.887			
Capacity Related Cost	Cents / kWh			Cents / kW
Capacity Related Cost Component (Over) / Under Recovered Balance as of June 30, 2021	0.046	0.114	0.000	45
Capacity Related Cost Component Projected Billing Period	0.416	0.466	0.000	112
Total Capacity Related Cost Component	0.462	0.580	0.000	157
Total Capacity Related Cost Component Increased for RECD	0.465			
Distributed Energy Resource Program (DERP) Avoided Costs	Cents / kWh			Cents / kW
DERP Avoided Cost (Over) / Under Recovered Balance as of June 30, 2021	0.000	0.001	0.000	0
DERP Avoided Costs Projected Billing Period	0.003	0.003	0.000	1
Total DERP Avoided Cost Component	0.003	0.004	0.000	1
Total DERP Avoided Cost Component Increased for RECD	0.003			
Environmental Costs	Cents / kWh			Cents / kW
Environmental Component (Over) / Under Recovered Balance as of June 30, 2021	(0.015)	(0.008)	0.000	(1)
Environmental Component Projected Billing Period	0.020	0.023	0.000	5
Total Environmental Component	0.005	0.015	0.000	4
Total Environmental Cost Component Increased for RECD	0.005			
Total Fuel Cost Factor - Cents/ kWh	2.360	2.473	1.874	1.874
Total Demand Fuel Cost Factor - Cents/ kW				162
	Dollars			
Distributed Energy Resource Program Incremental Cost per Account	Residential	Commercial		Industrial
DERP Incremental (Over) / Under Recovered Balance as of June 30, 2021				
Annual Charge	\$ 0.92	\$ 2.49		\$ 195.31
Monthly Charge	\$ 0.08	\$ 0.21		\$ 16.28
DERP Incremental Projected Billing Period				
Annual Charge	\$ 12.62	\$ 39.67		\$ 3,027.52
Monthly Charge	\$ 1.05	\$ 3.31		\$ 252.29
Total DERP Annual Charge - Excluding GRT	\$ 11.94	\$ 42.16		\$ 1,193.60
Total DERP Monthly Charge - Excluding GRT	\$ 0.99	\$ 3.51		\$ 99.47
Total DERP Annual Charge -Including GRT	\$ 12.00	\$ 42.39		\$ 1,200.00
Total DERP Monthly Charge - Including GRT	\$ 1.00	\$ 3.53		\$ 100.00

1 Act 236 requires that capacity-related costs and avoided costs of distributed energy
2 resource programs be tracked separately and allocated and recovered among customer
3 classes using the same method that is used to allocate and recover variable environmental
4 costs.

5 In addition, Harrington Exhibit No. 1 includes the billing period per-account charge
6 per month of \$1.00, \$3.53 and \$100.00, including Gross Receipts Tax (“GRT”), for South
7 Carolina Residential, Commercial, and Industrial customers, respectively. The monthly
8 DERP incremental per-account charge recovers 100% of the DERP incremental costs, in
9 accordance with S.C. Code Ann. § 58-27-865(A)(1). Act 236 requires that the incremental
10 costs of DERP be allocated among customer classes using the same method that is used to
11 allocate variable environmental costs.

12 **Q. HOW DID DEP’S FUEL REVENUE BILLINGS COMPARE TO THE FUEL**
13 **COSTS INCURRED DURING THE MARCH 2020 TO JUNE 2021 TIME PERIOD?**

14 A. Harrington Exhibit No. 2 is a monthly comparison of fuel revenues collected from South
15 Carolina retail customers to the actual and estimated jurisdictional fuel costs attributable
16 to those sales. The Company currently estimates that its deferred base fuel cost balance
17 will be an under-collection of approximately \$9.3 million at June 30, 2021.

18 Harrington Exhibit No. 2 contains a SC retail adjustment of \$644,899 in the
19 estimate for the month of March 2021, which increased the estimated period under-
20 collected balance. This adjustment corrects the pricing applied to joint dispatch transfers
21 of solar generation from DEP to DEC via the JDA. In preparation for the rollout of
22 additional solar facilities, a new dataset was programmed into the JDA software using a
23 placeholder price. Once transfers of energy under this dataset occurred, the placeholder

1 price was inadvertently not updated to the appropriate price, resulting in an overstatement
2 of revenue from JDA sales.

3 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 3.**

4 A. Harrington Exhibit No. 3 presents DEP's proposed base fuel rate of 1.735¢/kWh for the
5 billing period to recover South Carolina's retail share of approximately \$1.1 billion of
6 projected system fuel expense. The South Carolina retail share of approximately \$115.3
7 million incorporates approximately \$785,000 of net metering avoided fuel benefits
8 assigned fully to SC retail customers.

9 The fuel forecast supporting the projected fuel cost was generated by an hourly
10 dispatch model that considers the latest forecasted fuel prices, planned maintenance and
11 scheduled refueling outages at the generating plants, forced outages derived from historical
12 trends, generating unit performance parameters, and expected market conditions associated
13 with power purchases and off-system sales opportunities. In addition, the forecasting
14 model reflects the joint dispatch of the combined power supply resources of DEC and DEP.

15 **Q. PLEASE PROVIDE A STATUS UPDATE OF ENVIRONMENTAL COSTS**
16 **COLLECTION.**

17 A. During the review period, DEP recovered variable environmental costs and the costs of
18 emission allowances through the environmental component of the fuel rate. Environmental
19 costs allocated to the South Carolina retail jurisdiction during the review period were
20 approximately \$1.2 million, as shown on Harrington Exhibit No. 4. The Company
21 currently estimates that its deferred environmental cost balance will be an over-collection
22 of approximately \$484,000 at June 30, 2021.

1 **Q. HAVE YOU PROVIDED A FORECAST OF ENVIRONMENTAL COSTS?**

2 A. Yes. Harrington Exhibit No. 5 presents DEP's projected system environmental costs for
3 the billing period of approximately \$9.5 million. The South Carolina retail portion is
4 projected to be approximately \$1.0 million.

5 **Q. PLEASE DESCRIBE EMISSION-REDUCING CHEMICALS THAT DEP**
6 **INCLUDED IN THE PROPOSED FUEL RATE IN THIS FILING.**

7 A. As Company Witness Walsh explains more specifically in his testimony, DEP uses
8 emission-reducing chemicals at its fossil/hydro plants to help provide low cost, reliable
9 electric generation for its customers while complying with state and federal environmental
10 control obligations. As a result, DEP has included the cost of magnesium hydroxide,
11 calcium carbonate, ammonia, limestone, lime, and hydrated lime incurred during the
12 review period in its fuel cost recovery application. Mercury and Air Toxics Standards
13 ("MATS") chemicals that DEP may use in the future to reduce emissions include, but may
14 not be limited to, activated carbon, mercury oxidation chemicals, and mercury re-emission
15 prevention chemicals.

16 **Q. HOW DID DEP ALLOCATE ENVIRONMENTAL COSTS?**

17 A. DEP allocated the South Carolina retail portion of environmental costs to Residential,
18 General Service (non-demand), and General Service (demand) rate classes based upon the
19 firm coincident peak demand of each class for the prior year. The 2019 firm coincident
20 peak demand was used to allocate costs for the period of March 2020 – December 2020
21 and the 2020 firm coincident peak demand was used to allocate costs for the period of
22 January 2021 – June 2022. This allocation is shown on Harrington Exhibit Nos. 4 and 5.

1 The total cost allocated to each class was divided by projected sales to arrive at a
2 cents per kWh rate for Residential and General Service (non-demand) schedules or a cents
3 per kW rate for General Service (demand) schedules. Allocations were consistent with the
4 methodology approved by this Commission in Order No. 2007-440, issued in DEP's 2007
5 fuel review proceeding. This methodology has been consistently used in each fuel case
6 since the issuance of the 2007 Order.

7 **Q. PLEASE PROVIDE A STATUS UPDATE OF CAPACITY-RELATED COSTS**
8 **COLLECTION.**

9 A. During the review period, DEP recovered capacity-related costs, including PURPA
10 purchased power capacity costs and natural gas transportation (pipeline reservation/lease
11 costs) and storage costs through the capacity-related component of the fuel rate. Capacity-
12 related costs allocated to the South Carolina retail jurisdiction during the review period
13 were approximately \$23.6 million, as shown on Harrington Exhibit No. 7. The Company
14 currently estimates that its deferred capacity-related cost balance will be an under-
15 collection of approximately \$5.5 million at June 30, 2021.

16 **Q. HAVE YOU PROVIDED A FORECAST OF CAPACITY-RELATED COSTS?**

17 A. Yes. Harrington Exhibit No. 8 presents DEP's projected system capacity-related costs,
18 including PURPA purchased power capacity costs, natural gas transportation (pipeline
19 reservation/lease costs), and natural gas storage costs, for the billing period of
20 approximately \$192.9 million. The South Carolina retail portion is projected to be
21 approximately \$21.1 million.

1 **Q. HOW DID DEP ALLOCATE CAPACITY-RELATED COSTS?**

2 A. DEP allocated the South Carolina retail portion of capacity-related costs to the Residential,
3 General Service (non-demand), and General Service (demand) rate classes based upon the
4 firm coincident peak demand of each class for the prior year. The 2019 firm coincident
5 peak demand was used to allocate costs for the period of March 2020 – December 2020
6 and the 2020 firm coincident peak demand was used to allocate costs for the period of
7 January 2021 – June 2022. This allocation is shown on Harrington Exhibit Nos. 7 and 8.

8 The total cost allocated to each class was divided by projected sales to arrive at a
9 cents per kWh rate or cents per kW rate depending on the customer class. Allocations were
10 consistent with the methodology approved by this Commission in Order No. 2015-843,
11 issued in DEP’s 2015 fuel review proceeding. This methodology has been consistently
12 used in each fuel case since the issuance of the 2015 Order.

13 **Q. WHAT DERP INCREMENTAL COSTS ARE INCLUDED IN THIS FILING?**

14 A. S.C. Code Ann. § 58-39-140 defines “incremental costs” as all reasonable and prudent
15 costs incurred by an electrical utility to implement a distributed energy resource program.
16 This filing includes the following categories of incremental costs:

- 17 • Costs associated with purchase power agreements in excess of the Company’s
18 avoided cost rate, including those serving the purchased power needs of the Shared
19 Solar program;
- 20 • The DERP net energy metering (“NEM”) Incentive, which is a credit available to
21 eligible NEM customer-generators, approved in Docket No. 2014-246-E;
- 22 • Amortization of solar rebate balances given to South Carolina residential and non-
23 residential customers to invest in or lease distributed generation;

- 1 • Carrying costs on unamortized solar rebate balances;
- 2 • An incentive utilized to lower the subscription charge customers pay to participate
- 3 in the Shared Solar program;
- 4 • Avoided capacity costs and administrative costs associated with NEM, recoverable
- 5 as an incremental cost based on S.C. Code Ann. § 58-40-20(F)(6);
- 6 • General and administrative costs, which include the cost of developing and
- 7 implementing programs, incremental labor, and additional revenue-grade meters;
- 8 and
- 9 • Carrying costs on under-collected balances due to per-account cost caps.

10 **Q. PLEASE PROVIDE A STATUS UPDATE OF DERP INCREMENTAL COSTS**
11 **COLLECTION.**

12 A. During the review period, DEP recovered DERP incremental costs, offset by any revenues
13 collected from program participants, through the DERP incremental cost per account
14 charge. Review period DERP incremental costs were approximately \$3.3 million, as
15 shown on Harrington Exhibit No. 9. The Company currently estimates that its deferred
16 DERP incremental cost balance will be an under-collection of approximately \$275,000 at
17 June 30, 2021.

18 **Q. HOW DID DEP ALLOCATE DERP INCREMENTAL COSTS?**

19 A. DEP allocated 100% of DERP incremental costs to South Carolina Residential,
20 Commercial (General Service/Lighting), and Industrial rate classes based upon the firm
21 coincident peak demand of each class for the prior year. The 2019 firm coincident peak
22 demand was used to allocate costs for the period of March 2020 – December 2020 and the
23 2020 firm coincident peak demand was used to allocate costs for the period of January

1 2021 – June 2022. This allocation is shown on Harrington Exhibit Nos. 10 and 12. Each
2 class's allocated portion of incremental costs were divided by the number of accounts
3 subject to the DERP per-account charge in each class. This method results in an annual
4 dollar per-account charge which is billed as a separate fixed monthly component of the fuel
5 factor by customer class.

6 One exception to this approach is the allocation of the avoided capacity costs
7 associated with NEM that is included in the DERP incremental costs. This particular
8 incremental cost has been allocated to the South Carolina retail jurisdiction based on its
9 pro rata share of system peak demand, rather than 100%. This DERP incremental cost is
10 related to system generation supply resources. Costs and benefits associated with system
11 generation supply resources are traditionally allocated among all the Company's rate
12 jurisdictions since such generation supply resources are operated as a portfolio to serve its
13 native load customers in all rate jurisdictions. The South Carolina retail share of system
14 peak demand decreased from 9.6% to 9.3% between calendar years 2019 and 2020,
15 respectively.

16 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 10.**

17 A. Harrington Exhibit No. 10 presents the estimated deferred DERP incremental cost under-
18 collection at June 30, 2021 as a billing period monthly per-account increment of \$0.08,
19 \$0.21, and \$16.28, excluding GRT, for South Carolina Residential, Commercial, and
20 Industrial customers, respectively.

1 **Q. HAVE YOU PROVIDED A FORECAST OF DERP INCREMENTAL COSTS?**

2 A. Yes, Harrington Exhibit No. 11 itemizes DEP's projected DERP incremental costs by cost
3 type and month for the billing period. Total DERP incremental costs are projected to be
4 approximately \$4.0 million.

5 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 12.**

6 A. Harrington Exhibit No. 12 presents the projected DERP incremental costs for the billing
7 period as a billing period monthly per-account increment of \$1.05, \$3.31, and \$252.29,
8 excluding GRT, for South Carolina Residential, Commercial, and Industrial customers,
9 respectively. Proposed rates are subject to per-account cost caps.

10 **Q. HOW DOES THE COMPANY TREAT UNDER-COLLECTED DERP**
11 **INCREMENTAL COSTS RESULTING FROM REACHING THE PER-ACCOUNT**
12 **COST CAP?**

13 A. Consistent with Docket No. 2015-53-E, Order No. 2015-514, the Company reallocates
14 under-collected DERP incremental costs in excess of the per-account cost caps among all
15 customer classes with carrying costs applied at the three-year treasury rate plus 65 basis
16 points. Interest calculated on the monthly under-collected balance is shown as a separate
17 incremental cost on Harrington Exhibit Nos. 9 and 11.

18 **Q. HAVE ANY CUSTOMER CLASSES REACHED THE DERP PER-ACCOUNT**
19 **CAP IN THIS FILING?**

20 A. Yes, the Residential and Industrial customer classes reached the per-account cap. As a
21 result, for the billing period, proposed DERP incremental rates are limited to a monthly
22 per-account charge of \$1.00 for Residential customers and \$100.00 for Industrial
23 customers, including GRT.

1 **Q. WHAT DERP AVOIDED COSTS ARE INCLUDED IN THIS FILING?**

2 A. All DERP avoided costs included in this filing are related to third party purchases. The
3 DERP avoided costs in this filing refer to energy and capacity costs the utility avoids when
4 buying power from a third party rather than generating the power itself. S.C. Code Ann. §
5 58-39-140(A)(1) states that “avoided cost,” as defined for the purpose of differentiating
6 DERP program costs between incremental costs and avoided costs, includes “all costs paid
7 under avoided cost rates, or negotiated rates pursuant to PURPA, whichever is lower.” Any
8 amounts above avoided cost or above negotiated rates pursuant to PURPA from DERP
9 third party purchases are treated as DERP incremental costs in this filing.

10 **Q. PLEASE PROVIDE A STATUS UPDATE OF DERP AVOIDED COSTS**
11 **COLLECTION.**

12 A. During the review period, DEP recovered the DERP avoided costs of third-party purchases,
13 including the portion serving the purchased power needs of the Shared Solar program,
14 through the DERP avoided cost component of the fuel rate. As shown on Harrington
15 Exhibit No. 13, system DERP avoided costs during the review period were approximately
16 \$1.2 million, of which approximately \$116,000 has been allocated to the South Carolina
17 retail jurisdiction. The Company currently estimates that its South Carolina deferred DERP
18 avoided cost balance will be an over-collection of approximately \$37,000 at June 30, 2021.

19 **Q. HOW DID DEP ALLOCATE DERP AVOIDED COSTS?**

20 A. DEP allocated DERP avoided costs based on the same method used by the utility to allocate
21 and recover variable environmental costs. As such, DEP allocated the South Carolina retail
22 portion of DERP avoided costs to Residential, General Service (non-demand), General
23 Service (demand) and Lighting rate classes based upon the firm coincident peak demand

1 of each class for the prior year. The 2019 firm coincident peak demand was used to allocate
2 costs for the period of March 2020 – December 2020 and the 2020 firm coincident peak
3 demand was used to allocate costs for the period of January 2021 – June 2022.

4 The total cost allocated to each class was divided by projected sales to arrive at a
5 cents per kWh rate or cents per kW rate, depending on the customer class. This allocation
6 is shown on Harrington Exhibit Nos. 13 and 14.

7 **Q. HAVE YOU PROVIDED A FORECAST OF DERP AVOIDED COSTS?**

8 A. Yes. Harrington Exhibit No. 14 provides DEP's projected system DERP avoided costs for
9 the billing period of approximately \$1.4 million. The South Carolina retail portion is
10 projected to be approximately \$150,000.

11 **Q. DO YOU BELIEVE DEP'S ACTUAL FUEL COSTS INCURRED DURING THE**
12 **REVIEW PERIOD WERE REASONABLE?**

13 A. Yes. I believe the costs were reasonable and that DEP has demonstrated that it has met the
14 criteria set forth in S.C. Code Ann. § 58-27-865. These costs also reflect DEP's continuing
15 efforts to maintain reliable service and an economic generation mix, thereby minimizing
16 the total cost of providing service to DEP's South Carolina retail customers.

17 **Q. DO YOU BELIEVE DEP'S ACTUAL DERP COSTS INCURRED DURING THE**
18 **PERIOD WERE REASONABLE?**

19 A. Yes. I also believe that the DERP costs were reasonable and that DEP has demonstrated
20 that it met the criteria set forth in S.C. Code Ann. § 58-39-130(A)(2).

21 **Q. WHAT ARE THE KEY DRIVERS IMPACTING THE PROPOSED FUEL**
22 **FACTOR?**

23 A. A number of factors contribute to the change in the proposed total fuel factor for all

1 customer classes. Total fuel rates projected for the billing period are decreasing from the
2 rates currently being billed for the Residential and Lighting customer classes but are
3 increasing for the General Service Non-demand and General Service Demand customer
4 classes. Differences in customer class impacts relate to changes in each customer class
5 contribution to calendar year firm coincident peak between the years of 2019 and 2020.

6 The approximately \$8.9 million increase in the total under-collection balance
7 estimated at June 30, 2021 from the estimated under-collection balance at June 30, 2020 is
8 largely offset during the projected billing period due to lower kilowatt-hour sales, resulting
9 in the dispatch of lower cost generating units, plus a larger share of sales served by lower
10 cost nuclear generation over other fuel sources due to fewer scheduled nuclear outages in
11 the projected period. However, generation served by natural gas in the projected period is
12 expected to be impacted by higher natural gas prices.

13 **Q. INCLUDING THE DERP INCREMENTAL PER-ACCOUNT CHARGES, WHAT**
14 **IS THE IMPACT TO CUSTOMERS' BILLS IF THE PROPOSED FUEL COST,**
15 **CAPACITY-RELATED COST, DERP AVOIDED COST, AND ENVIROMENTAL**
16 **COST FACTORS ARE APPROVED BY THE COMMISSION?**

17 A. The impact of all components of this filing to customers' monthly bills on an average
18 Residential customer using 1,000 kWh per month is a decrease of \$0.97, or 0.9 percent.
19 The average decrease seen in the average monthly bill of Lighting customers is 0.1 percent,
20 and the average increase seen in the average monthly bill of General Service Non-demand
21 and General Service Demand customers is 1.5 percent, and 1.0 percent, respectively.

22 **Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

23 A. Yes, it does.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF TOTAL FUEL COMPONENT
BILLING PERIOD JULY 1, 2021 TO JUNE 30, 2022

Exhibit 1
DOCKET NO. 2021-1-E

			Customer Class			
Line No.	Description	Reference	Cents / kWh			
			Residential	General Service (non-demand)	Lighting	General Service (demand)
Base Fuel Costs						
1	Base Fuel Cost Component (Over) / Under Recovered Balance as of June 30, 2021	Exhibit 2	0.139	0.139	0.139	0.139
2	Base Fuel Cost Component Projected Billing Period	Exhibit 3	1.735	1.735	1.735	1.735
3	Total Base Fuel Cost Component	Line 1 + Line 2	1.874	1.874	1.874	1.874
4	Total Base Fuel Cost Component Increased for RECD	Line 3 / (1-RECD factor)	1.887 [1]			
Capacity Related Cost						
5	Capacity Related Cost Component (Over) / Under Recovered Balance as of June 30, 2021	Exhibit 7	0.046	0.114	0.000	45
6	Capacity Related Cost Component Projected Billing Period	Exhibit 8	0.416	0.466	0.000	112
7	Total Capacity Related Cost Component	Line 5 + 6	0.462	0.580	0.000	157
8	Total Capacity Related Cost Component Increased for RECD	Line 7 / (1- RECD factor)	0.465 [1]			
Distributed Energy Resource Program (DERP) Avoided Costs						
9	DERP Avoided Cost (Over) / Under Recovered Balance as of June 30, 2021	Exhibit 13	0.000	0.001	0.000	0
10	DERP Avoided Costs Projected Billing Period	Exhibit 14	0.003	0.003	0.000	1
11	Total DERP Avoided Cost Component	Line 9 + 10	0.003	0.004	0.000	1
12	Total DERP Avoided Cost Component Increased for RECD	Line 11 / (1- RECD factor)	0.003 [1]			
Environmental Costs						
13	Environmental Component (Over) / Under Recovered Balance as of June 30, 2021	Exhibit 4	(0.015)	(0.008)	0.000	(1)
14	Environmental Component Projected Billing Period	Exhibit 5	0.020	0.023	0.000	5
15	Total Environmental Component	Line 13 + 14	0.005	0.015	0.000	4
16	Total Environmental Cost Component Increased for RECD	Line 15 / (1- RECD factor)	0.005 [1]			
17	Total Fuel Cost Factor - Cents/ kWh [2]	Line 4 + Line 8 + Line 12 + Line 16	2.360	2.473	1.874	1.874
18	Total Demand Fuel Cost Factor - Cents/ kW [2]	Line 7 + Line 11 + Line 15				162
Distributed Energy Resource Program Incremental Cost per Account			Dollars			
			Residential	Commercial		Industrial
DERP Incremental (Over) / Under Recovered Balance as of June 30, 2021						
19	Annual Charge	Exhibit 10	\$ 0.92	\$ 2.49		\$ 195.31
20	Monthly Charge	Exhibit 10	\$ 0.08	\$ 0.21		\$ 16.28
DERP Incremental Projected Billing Period						
21	Annual Charge	Exhibit 12	\$ 12.62	\$ 39.67		\$ 3,027.52
22	Monthly Charge	Exhibit 12	\$ 1.05	\$ 3.31		\$ 252.29
23	Total DERP Annual Charge - Excluding GRT	Line 19 + Line 21	\$ 11.94	\$ 42.16		\$ 1,193.60
24	Total DERP Monthly Charge - Excluding GRT	Line 20 + Line 22	\$ 0.99	\$ 3.51		\$ 99.47
25	Total DERP Annual Charge -Including GRT	Line 19 + Line 21 / (1-tax rate)	\$ 12.00	\$ 42.39		\$ 1,200.00
26	Total DERP Monthly Charge - Including GRT	Line 20 + Line 22 / (1-tax rate)	\$ 1.00	\$ 3.53		\$ 100.00

Notes:

[1] RECD factor is 0.7068% and is calculated on Exhibit 6.

[2] The Fuel Cost Factors and Demand Fuel Cost Factor does not include Gross Receipts Tax ("GRT").

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020
1	Coal	Monthly Fuel Filings	\$ 9,580,028	\$ 3,421	\$ 1,401,234	\$ 36,082,809	\$ 59,035,691	\$ 49,332,235
2	Gas	Monthly Fuel Filings	33,897,569	20,585,628	36,546,466	21,125,755	38,494,441	37,551,637
3	Nuclear Fuel	Monthly Fuel Filings	11,643,238	15,023,270	15,833,387	13,379,089	15,861,774	12,842,753
4	Purchased Power	Monthly Fuel Filings	29,221,735	31,352,959	38,965,197	34,556,940	42,475,592	43,324,429
5	Fuel Expense Recovered Through Intersystem Sales	Monthly Fuel Filings	(3,915,992)	(5,787,195)	(7,920,111)	(5,417,709)	(11,818,055)	(5,920,258)
6	Total Fuel Costs	Sum Lines 1:5	\$ 80,426,579	\$ 61,178,083	\$ 84,826,173	\$ 99,726,884	\$ 144,049,443	\$ 137,130,796
7	Eliminate Avoided Fuel Benefit of SC NEM	Monthly Fuel Filings	81,216	85,792	71,329	70,374	92,879	55,697
8	Adjusted System Fuel Costs	Line 6 + Line 7	\$ 80,507,795	\$ 61,263,875	\$ 84,897,502	\$ 99,797,258	\$ 144,142,322	\$ 137,186,493
9	Total System kWh Sales (w/ solar)	Monthly Fuel Filings	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745
10	Eliminate NEM Solar Generation kWh	Monthly Fuel Filings	2,529,301	2,671,824	2,221,380	2,191,660	3,222,483	2,449,602
11	Adjusted Projected System kWh Sales (w/o solar)	Line 9 + Line 10	4,553,683,761	3,986,736,527	3,981,539,305	4,850,908,003	6,009,295,180	6,244,869,347
12	System Cost per kWh (¢/kWh)	Line 8 / Line 11 * 100	1.768	1.537	2.132	2.057	2.399	2.197
13	Actual/ Projected SC Retail Sales kWh (w/ solar)	Monthly Fuel Filings	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576
14	Eliminate the NEM impact kWh	Line 10	2,529,301	2,671,824	2,221,380	2,191,660	3,222,483	2,449,602
15	Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)	Line 13 + Line 14	477,868,811	431,668,000	396,903,488	481,202,991	554,557,443	651,792,178
16	SC Base Fuel Costs	Line 12 * Line 15 / 100	\$ 8,448,581	\$ 6,633,409	\$ 8,463,087	\$ 9,899,742	\$ 13,301,926	\$ 14,318,487
17	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)	Line 7, opposite sign	(81,216)	(85,792)	(71,329)	(70,374)	(92,879)	(55,697)
18	Adjusted SC Base Fuel Costs	Line 16 + Line 17	\$ 8,367,365	\$ 6,547,617	\$ 8,391,758	\$ 9,829,368	\$ 13,209,047	\$ 14,262,790
19	Fuel Costs Collected	Monthly Fuel Filings	\$ 9,863,947	\$ 8,901,147	\$ 8,188,761	\$ 9,938,484	\$ 10,976,179	\$ 12,256,077
20	Fuel Benefits Given in DER NEM incentive	Monthly Fuel Filings	(15,416)	(14,478)	(10,046)	(9,629)	(4,576)	(1,735)
21	Adjusted Fuel Costs Collected	Line 19 + Line 20	\$ 9,848,531	\$ 8,886,669	\$ 8,178,715	\$ 9,928,855	\$ 10,971,603	\$ 12,254,342
22	Current Month (Over) / Under Recovered Balance	Line 18 - Line 21	\$ (1,481,166)	\$ (2,339,052)	\$ 213,043	\$ (99,486)	\$ 2,237,443	\$ 2,008,449
23	Prior Year Balance	2020-1-E	8,184,894					
24	Cumulative (Over) / Under Recovered Balance	Prior Mo Cum Bal + Line 22 + Line 23	\$ 6,703,728	\$ 4,364,676	\$ 4,577,719	\$ 4,478,233	\$ 6,715,676	\$ 8,724,125

Note1: Equals total NEM avoided fuel benefit less portion included in DERP NEM Incentive.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Exhibit 2
Page 2 of 3
DOCKET NO. 2021-1-E

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
25	Coal	Monthly Fuel Filings	\$ 25,196,110	\$ 8,643,430	\$ 5,417,916	\$ 37,020,861	\$ 38,879,247	\$ 40,842,497	\$ 311,435,479
26	Gas	Monthly Fuel Filings	31,001,537	27,728,381	36,472,019	57,177,138	49,629,329	54,924,341	445,134,241
27	Nuclear Fuel	Monthly Fuel Filings	15,043,404	15,419,408	12,619,848	13,972,291	15,993,133	14,381,062	172,012,657
28	Purchased Power	Monthly Fuel Filings	31,612,917	24,035,441	34,713,517	31,193,207	25,517,861	27,270,259	394,240,054
29	Fuel Expense Recovered Through Intersystem Sales	Monthly Fuel Filings	(8,488,855)	(14,468,224)	(5,662,018)	(20,931,553)	(12,844,356)	(20,475,419)	(123,649,746)
30	Total Fuel Costs	Sum Lines 25:19	\$ 94,365,113	\$ 61,358,436	\$ 83,561,282	\$ 118,431,944	\$ 117,175,214	\$ 116,942,740	\$ 1,199,172,685
31	Eliminate Avoided Fuel Benefit of SC NEM	Monthly Fuel Filings	57,576	58,558	51,067	52,306	51,305	67,572	795,671
32	Adjusted System Fuel Costs	Line 30 + Line 31	\$ 94,422,689	\$ 61,416,994	\$ 83,612,349	\$ 118,484,250	\$ 117,226,519	\$ 117,010,312	\$ 1,199,968,356
33	Total System kWh Sales (w/ solar)	Monthly Fuel Filings	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,965
34	Eliminate NEM Solar Generation kWh	Monthly Fuel Filings	2,544,885	2,588,219	2,257,133	2,311,961	2,267,752	2,986,623	30,242,824
35	Adjusted Projected System kWh Sales (w/o solar)	Line 33 + Line 34	5,341,425,344	4,346,195,246	4,433,437,004	4,963,107,300	5,569,697,940	5,408,399,831	59,689,294,789
36	System Cost per kWh (¢/kWh)	Line 32 / Line 35 * 100	1.768	1.413	1.886	2.387	2.105	2.163	
37	Actual/ Projected SC Retail Sales kWh (w/ solar)	Monthly Fuel Filings	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,967
38	Eliminate the NEM impact kWh	Line 34	2,544,885	2,588,219	2,257,133	2,311,961	2,267,752	2,986,623	30,242,824
39	Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)	Line 37 + Line 38	511,071,962	457,167,238	491,330,252	467,849,516	547,151,366	546,377,545	6,014,940,791
40	SC Base Fuel Costs	Line 36 *Line 39 / 100	\$ 9,034,440	\$ 6,460,325	\$ 9,266,237	\$ 11,168,969	\$ 11,516,002	\$ 11,820,836	\$ 120,332,041
41	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)	Line 31, opposite sign	(57,576)	(58,558)	(51,067)	(52,306)	(51,305)	(67,572)	(795,671)
42	Adjusted SC Base Fuel Costs	Line 40 + Line 41	\$ 8,976,864	\$ 6,401,767	\$ 9,215,170	\$ 11,116,663	\$ 11,464,697	\$ 11,753,264	\$ 119,536,370
43	Fuel Costs Collected	Monthly Fuel Filings	\$ 9,596,215	\$ 8,577,652	\$ 9,228,765	\$ 8,786,933	\$ 10,284,613	\$ 10,256,831	\$ 116,855,604
44	Fuel Benefits Given in DER NEM incentive	Monthly Fuel Filings	4,793	4,707	3,981	5,532	5,869	4,659	(26,339)
45	Adjusted Fuel Costs Collected	Line 43 + Line 44	\$ 9,601,008	\$ 8,582,359	\$ 9,232,746	\$ 8,792,465	\$ 10,290,482	\$ 10,261,490	\$ 116,829,265
46	Current Month (Over) / Under Recovered Balance	Line 42 - Line 45	\$ (624,143)	\$ (2,180,591)	\$ (17,577)	\$ 2,324,200	\$ 1,174,215	\$ 1,491,774	\$ 2,707,109
47	Prior Year Balance	2020-1-E							8,184,894
48	Cumulative (Over) / Under Recovered Balance	Prior Mo Cum Bal + Line 46 + Line 47	\$ 8,099,982	\$ 5,919,391	\$ 5,901,814	\$ 8,226,014	\$ 9,400,229	\$ 10,892,003	\$ 10,892,003

Note1: Equals total NEM avoided fuel benefit less portion included in DERP NEM Incentive.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 2
Page 3 of 3
DOCKET NO. 2021-1-E

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
49	Coal		\$ 11,846,384	\$ 4,895,943	\$ 1,972,304	\$ 10,801,557	\$ 340,951,667
50	Gas		35,883,737	26,162,505	32,484,903	40,460,635	580,126,021
51	Nuclear Fuel		12,487,630	13,288,794	12,686,650	14,424,632	224,900,363
52	Purchased Power		28,752,571	34,901,620	38,914,627	37,631,490	534,440,362
53	Fuel Expense Recovered Through Intersystem Sales		(6,478,685)	(9,522,103)	(4,586,849)	(8,461,141)	(152,698,524)
54	Total Fuel Costs	Sum Lines 49:53	\$ 82,491,637	\$ 69,726,759	\$ 81,471,635	\$ 94,857,173	\$ 1,527,719,889
55	Eliminate Avoided Fuel Benefit of SC NEM		58,297	59,274	60,011	60,726	1,033,978
56	Adjusted System Fuel Costs	Line 54 + Line 55	\$ 82,549,934	\$ 69,786,033	\$ 81,531,646	\$ 94,917,899	\$ 1,528,753,867
57	Total System kWh Sales (w/ solar)		4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288
58	Eliminate NEM Solar Generation kWh		2,576,658	2,620,395	2,652,981	2,684,576	40,777,433
59	Adjusted Estimated System kWh Sales (w/o solar)	Line 57 + Line 58	4,801,963,464	4,263,452,185	4,351,548,897	5,095,712,386	78,201,971,721
60	System Cost per kWh (¢/kWh)	Line 56 / Line 59 * 100	1.719	1.637	1.874	1.863	1.955
61	Estimated SC Retail Sales kWh (w/ solar)		495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,633
62	Eliminate the NEM impact kWh		2,576,658	2,620,395	2,652,981	2,684,576	40,777,433
63	Adjusted Estimated SC Retail Sales kWh (w/o solar)	Line 61 + Line 62	498,431,300	497,685,057	478,060,044	532,741,875	8,021,859,066
64	SC Base Fuel Costs	Line 60 * Line 63 / 100	\$ 8,568,468	\$ 8,146,325	\$ 8,957,046	\$ 9,923,390	\$ 155,927,270
65	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)	Line 55, opposite sign	(58,297)	(59,274)	(60,011)	(60,726)	(1,033,978)
66	Adjusted SC Base Fuel Costs	Line 64 + Line 65	\$ 8,510,171	\$ 8,087,051	\$ 8,897,035	\$ 9,862,664	\$ 154,893,292
67	Fuel Costs Collected	Approved rates x Line 61	\$9,358,899	\$ 9,341,870	\$ 8,970,931	\$ 10,002,181	\$ 154,529,486
68	Fuel Benefits Given in DER NEM incentive		\$3,975	(13,562)	(13,738)	(13,908)	(63,572)
69	Adjusted Fuel Costs Collected	Line 67 + Line 68	\$ 9,362,874	\$ 9,328,308	\$ 8,957,193	\$ 9,988,274	\$ 154,465,914
70	Current Month (Over) / Under Recovered Balance	Line 66 - Line 69	\$ (852,702)	\$ (1,241,257)	\$ (60,158)	\$ (125,609)	\$ 427,383
71	Prior Year Balance and Adjustments		644,899				8,829,792
72	Cumulative (Over) / Under Recovered Balance	Prior Mo Cum Bal + Line 70 + Line 71	\$ 10,684,199	\$ 9,442,943	\$ 9,382,784	\$ 9,257,175	\$ 9,257,175
73	SC Projected SC Retail Sales July 2021 - June 2022						6,645,795,489
74	SC Base Fuel Increment / (Decrement) Calculated Rate (¢/kWh) Line 72 / Line 73 * 100						0.139

Note1: Equals total NEM avoided fuel benefit less portion included in DERP NEM Incentive.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED BILLING PERIOD BASE FUEL COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATE JULY 2021 - JUNE 2022

Exhibit 3
DOCKET NO. 2021-1-1

Line No.	Description	Reference	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021
1	Coal		\$ 21,775,248	\$ 18,221,649	\$ 7,108,295	\$ 363,742	\$ 2,915,740	\$ 16,776,968
2	Gas		45,026,358	43,481,500	36,100,113	27,114,748	43,891,668	43,156,348
3	Nuclear Fuel		14,679,195	14,921,502	14,276,077	14,968,579	14,834,818	15,439,766
4	Purchased Power		39,629,161	39,497,796	36,815,635	30,936,447	24,375,459	25,604,364
5	Fuel Expense Recovered Through Intersystem Sales		(9,324,136)	(7,975,399)	(5,741,162)	(6,803,691)	(15,404,979)	(12,210,379)
6	Total Fuel Costs	Sum Lines 1:5	\$ 111,785,826	\$ 108,147,048	\$ 88,558,958	\$ 66,579,825	\$ 70,612,706	\$ 88,767,067
7	Eliminate Avoided Fuel Benefit of SC NEM		61,202	61,868	62,489	63,131	63,797	63,778
8	Adjusted System Fuel Costs	Line 6 + Line 7	\$ 111,847,028	\$ 108,208,916	\$ 88,621,447	\$ 66,642,956	\$ 70,676,503	\$ 88,830,845
9	Total Projected System Sales kWh (w/ solar)		5,998,569,935	5,987,851,586	5,323,852,943	4,523,257,832	4,323,526,822	5,016,762,180
10	Eliminate NEM Solar Generation kWh		2,715,145	2,744,700	2,772,245	2,800,746	2,830,296	2,829,446
11	Adjusted Projected System kWh Sales (w/o solar)	Line 9 + Line 10	6,001,285,080	5,990,596,286	5,326,625,188	4,526,058,578	4,326,357,118	5,019,591,626
12	System Cost per kWh (¢/kWh)	Line 8 / Line 11 * 100	1.864	1.806	1.664	1.472	1.634	1.770
13	Adjusted Projected SC Retail Sales (w/o solar)		633,241,767	645,471,287	588,807,422	526,009,339	480,201,641	540,512,642
14	SC Base Fuel Costs	Line 12 * Line 13 / 100	\$ 11,801,841	\$ 11,659,231	\$ 9,796,253	\$ 7,745,109	\$ 7,844,700	\$ 9,565,359
15	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)		(63,388)	(64,064)	(64,699)	(65,354)	(66,030)	(66,010)
16	Adjusted SC Base Fuel Costs	Line 14 + Line 15	\$ 11,738,453	\$ 11,595,167	\$ 9,731,554	\$ 7,679,755	\$ 7,778,670	\$ 9,499,349

Line No.	Description	Reference	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	Billing Period Twelve Months Ended June 2022
17	Coal		\$ 38,538,852	\$ 29,791,900	\$ 3,722,609	\$ 1,605,714	\$ 2,016,027	\$ 9,844,231	\$ 152,680,975
18	Gas		24,253,717	23,048,768	45,788,071	25,665,684	26,877,386	39,278,563	423,682,924
19	Nuclear Fuel		15,423,231	13,771,426	12,182,904	14,964,738	15,233,347	14,640,332	175,335,915
20	Purchased Power		35,088,662	34,429,173	30,618,397	33,580,963	38,144,503	39,310,466	408,031,026
21	Fuel Expense Recovered Through Intersystem Sales		(4,140,569)	(3,518,869)	(8,292,817)	(9,468,485)	(7,026,876)	(8,147,831)	(98,055,193)
22	Total Fuel Costs	Sum Lines 17:21	\$ 109,163,893	\$ 97,522,398	\$ 84,019,164	\$ 66,348,614	\$ 75,244,387	\$ 94,925,761	\$ 1,061,675,647
23	Eliminate Avoided Fuel Benefit of SC NEM		63,758	63,739	63,721	63,701	63,682	63,662	758,528
24	Adjusted System Fuel Costs	Line 22 + Line 23	\$ 109,227,651	\$ 97,586,137	\$ 84,082,885	\$ 66,412,315	\$ 75,308,069	\$ 94,989,423	\$ 1,062,434,175
25	Total Projected System Sales kWh (w/ solar)		5,602,649,406	5,378,344,414	4,926,717,856	4,288,018,381	4,403,701,291	5,167,165,757	60,940,418,402
26	Eliminate NEM Solar Generation kWh		2,828,568	2,827,690	2,826,898	2,826,021	2,825,173	2,824,297	33,651,224
27	Adjusted Projected System kWh Sales (w/o solar)	Line 25 + Line 26	5,605,477,974	5,381,172,104	4,929,544,754	4,290,844,402	4,406,526,464	5,169,990,054	60,974,069,626
28	System Cost per kWh (¢/kWh)	Line 24 / Line 27 * 100	1.949	1.813	1.706	1.548	1.709	1.837	1.742
29	Adjusted Projected SC Retail Sales (w/o solar)		584,286,689	594,944,591	551,740,144	503,399,348	486,990,178	543,841,663	6,679,446,713
30	SC Base Fuel Costs	Line 28 * Line 29 / 100	\$ 11,385,338	\$ 10,789,163	\$ 9,410,991	\$ 7,791,454	\$ 8,322,721	\$ 9,992,129	\$ 116,104,288
31	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)		(65,989)	(65,968)	(65,949)	(65,928)	(65,907)	(65,886)	(785,171)
32	Adjusted SC Base Fuel Costs	Line 30 + Line 31	\$ 11,319,349	\$ 10,723,195	\$ 9,345,042	\$ 7,725,526	\$ 8,256,814	\$ 9,926,243	\$ 115,319,117
33	Projected SC Retail Sales	Exhibit 2 Page 3 Line 73							6,645,795,489
34	Adjusted SC System Cost per kWh (¢/kWh)	Line 32 / Line 33 * 100							1.735

Note1: Equals total NEM avoided fuel benefit less portion included in DERP NEM Incentive.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Line No.		Residential							
1	Summer 2020 Firm Coincident Peak (CP) kW	45.72%							
2	Winter 2019 Firm Coincident Peak (CP) kW	52.93%							
Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020	
3	Total Reagents	Monthly Fuel Filing	\$ 511,642	\$ 20,268	\$ 68,537	\$ 1,467,751	\$ 2,531,942	\$ 2,626,945	
4	Emission Allowances	Monthly Fuel Filing	195	195	-	67	1,980	4,245	
5	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(28,012)	(15,499)	(25,863)	(69,561)	(211,876)	(101,758)	
6	Net Environmental Costs	Sum Lines 3:5	\$ 483,825	\$ 4,964	\$ 42,674	\$ 1,398,257	\$ 2,322,046	\$ 2,529,432	
7	Total System Sales kWh	Monthly Fuel Filing	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745	
8	Environmental System Costs Incurred c/kwh	Line 6 / Line 7 * 100	0.011	0.000	0.001	0.029	0.039	0.041	
9	SC Retail Sales kWh	Monthly Fuel Filing	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576	
10	SC Environmental Costs	Line 8 * Line 9 / 100	\$ 50,533	\$ 535	\$ 4,233	\$ 138,136	\$ 213,155	\$ 263,114	
11	SC Residential Environmental Cost Allocated by Firm CP	Line 10 * Line 2	\$ 26,745	\$ 283	\$ 2,240	\$ 73,110	\$ 112,815	\$ 139,257	
12	SC Residential kWh Sales	Monthly Fuel Filing	160,747,771	126,293,315	120,440,614	153,355,563	197,448,926	219,403,760	
13	SC Residential Environmental Costs Incurred c/kwh	Line 11 / Line 12 * 100	0.017	0.000	0.002	0.048	0.057	0.063	
14	SC Residential Environmental Costs Billed c/kwh	2019-1-E, 2020-1-E	0.074	0.074	0.074	0.074	0.050	0.021	
15	Current Month (Over) / Under Recovered Balance	(Line 13 - Line 14) * Line 12 / 100	\$ (92,974)	\$ (93,739)	\$ (87,410)	\$ (41,045)	\$ 13,176	\$ 93,287	
16	Prior Year Balance	2020-1-E	(104,266)						
17	Cumulative SC Residential Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal+ Line 15 + Line 16	\$ (197,240)	\$ (290,979)	\$ (378,389)	\$ (419,434)	\$ (406,258)	\$ (312,971)	

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
18	Total Reagents	Monthly Fuel Filing	\$ 1,078,911	\$ 305,963	\$ 167,438	\$ 1,320,496	\$ 1,306,305	\$ 1,607,171	\$ 13,013,369
19	Emission Allowances	Monthly Fuel Filing	3,485	1,465	586	(131)	1,851	2,235	16,173
20	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(95,824)	(80,735)	(22,608)	(178,847)	(182,286)	(102,403)	(1,115,272)
21	Net Environmental Costs	Sum Lines 18:20	\$ 986,572	\$ 226,693	\$ 145,416	\$ 1,141,518	\$ 1,125,870	\$ 1,507,003	\$ 11,914,271
22	Total System Sales kWh	Monthly Fuel Filing	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,965
23	Environmental System Costs Incurred c/kwh	Line 21 / Line 22 * 100	0.018	0.005	0.003	0.023	0.020	0.028	
24	SC Retail Sales kWh	Monthly Fuel Filing	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,967
25	SC Environmental Costs	Line 23 * Line 24 / 100	\$ 93,971	\$ 23,724	\$ 16,050	\$ 107,124	\$ 110,189	\$ 151,495	\$ 1,172,257
26	SC Residential Environmental Cost Allocated by Firm CP	Line 25 * Line 2 (or Line 1)	\$ 49,735	\$ 12,557	\$ 8,495	\$ 56,697	\$ 50,383	\$ 69,270	\$ 601,586
27	SC Residential kWh Sales	Monthly Fuel Filing	190,130,510	126,202,427	121,181,010	189,915,054	226,920,281	219,741,489	2,051,780,720
28	SC Residential Environmental Costs Incurred c/kwh	Line 26 / Line 27 * 100	0.026	0.010	0.007	0.030	0.022	0.032	0.029
29	SC Residential Environmental Costs Billed c/kwh	2020-1-E	0.021	0.021	0.021	0.021	0.021	0.021	
30	Current Month (Over) / Under Recovered Balance	(Line 28 - Line 29) * Line 27 / 100	\$ 10,098	\$ (13,748)	\$ (16,765)	\$ 17,084	\$ 3,051	\$ 23,431	\$ (185,554)
31	Prior Year Balance								(104,266)
32	Cumulative SC Residential Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 30 + Line 31	\$ (302,873)	\$ (316,621)	\$ (333,386)	\$ (316,302)	\$ (313,251)	\$ (289,820)	\$ (289,820)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 4
Page 2 of 6
DOCKET NO. 2021-1-E

Line No.		Residential						
1	Summer 2020 Firm Coincident Peak (CP) kW	45.72%						
2	Winter 2019 Firm Coincident Peak (CP) kW	52.93%						
Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021	
33	Total Reagents		\$ 589,702	\$ 331,373	\$ 118,031	\$ 693,831	\$ 14,746,306	
34	Emission Allowances		2,380	514	193	1,134	20,394	
35	Amounts Recovered in Off-System Sales		(28,753)	(1,412)	(836)	(3,128)	(1,149,401)	
36	Net Environmental Costs	Sum Lines 33:35	\$ 563,329	\$ 330,475	\$ 117,388	\$ 691,837	\$ 13,617,300	
37	Projected Total System Sales kWh	Exhibit 2 Page 3 Line 57	4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288	
38	Environmental System Costs Incurred ¢/kwh	Line 36 / Line 37 * 100	0.012	0.008	0.003	0.014		
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,633	
40	SC Environmental Costs	Line 38 * Line 39/ 100	\$ 58,201	\$ 38,398	\$ 12,832	\$ 72,003	\$ 1,353,691	
41	SC Residential Environmental Cost Allocated by Firm CP	Line 40 * Line 1	\$ 26,612	\$ 17,557	\$ 5,868	\$ 32,923	\$ 684,545	
42	Projected SC Residential kWh Sales		177,893,777	158,102,344	142,481,559	178,513,664	2,708,772,064	
43	SC Residential Environmental Costs Incurred ¢/kwh	Line 41 / Line 42 * 100	0.015	0.011	0.004	0.018		
44	SC Residential Environmental Costs Billed ¢/kwh	2020-1-E	0.021	0.021	0.021	0.021		
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ (10,494)	\$ (15,644)	\$ (24,054)	\$ (4,565)	\$ (240,311)	
46	Prior Year Balance	2020-1-E					(104,266)	
47	Cumulative SC Residential Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 45 + Line 46	\$ (300,314)	\$ (315,958)	\$ (340,012)	\$ (344,577)	(344,577)	
48	SC Projected SC Residential Sales July 2021 - June 2022						2,318,240,848	
49	SC Residential Environmental Increment / (Decrement) Calculated Rate (¢/kwh)	(Line 47 / Line 48 * 100)					(0.015)	

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Exhibit
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DOCKET NO. 2021-1-E

Line No.		General Service (non-demand)							
1	Summer 2020 Firm Coincident Peak (CP) kW	6.32%							
2	Winter 2019 Firm Coincident Peak (CP) kW	5.22%							
Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020	
3	Total Reagents	Monthly Fuel Filing	\$ 511,642	\$ 20,268	\$ 68,537	\$ 1,467,751	\$ 2,531,942	\$ 2,626,945	
4	Emission Allowances	Monthly Fuel Filing	195	195	-	67	1,980	4,245	
5	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(28,012)	(15,499)	(25,863)	(69,561)	(211,876)	(101,758)	
6	Net Environmental Costs	Sum Lines 3:5	\$ 483,825	\$ 4,964	\$ 42,674	\$ 1,398,257	\$ 2,322,046	\$ 2,529,432	
7	Total System Sales kWh	Monthly Fuel Filing	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745	
8	Environmental System Costs Incurred c/kwh	Line 6 / Line 7 * 100	0.011	0.000	0.001	0.029	0.039	0.041	
9	SC Retail Sales kWh	Monthly Fuel Filing	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576	
10	SC Environmental Costs	Line 8 * Line 9 / 100	\$ 50,533	\$ 535	\$ 4,233	\$ 138,136	\$ 213,155	\$ 263,114	
11	SC General Service (non-demand) Environmental Cost Allocated by Firm CP	Line 10 * Line 2	\$ 2,638	\$ 28	\$ 221	\$ 7,212	\$ 11,129	\$ 13,737	
12	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	19,338,767	15,954,626	15,610,895	20,375,959	26,082,214	28,871,331	
13	SC General Service (non-demand) Environmental Costs Incurred c/kwh	Line 11 / Line 12 * 100	0.014	0.000	0.001	0.035	0.043	0.048	
14	SC General Service (non-demand) Environmental Costs Billed c/kwh	2019-1-E, 2020-1-E	0.057	0.057	0.057	0.057	0.037	0.012	
15	Current Month (Over) / Under Recovered Balance	(Line 13 - Line 14) * Line 12/ 100	\$ (8,385)	\$ (9,066)	\$ (8,677)	\$ (4,402)	\$ 1,515	\$ 10,247	
16	Prior Year Balance	2020-1-E	(18,471)						
17	Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 15 + Line 16	\$ (26,856)	\$ (35,922)	\$ (44,599)	\$ (49,001)	\$ (47,486)	\$ (37,239)	

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
18	Total Reagents	Monthly Fuel Filing	\$ 1,078,911	\$ 305,963	\$ 167,438	\$ 1,320,496	\$ 1,306,305	\$ 1,607,171	\$ 13,013,369
19	Emission Allowances	Monthly Fuel Filing	3,485	1,465	586	(131)	1,851	2,235	16,174
20	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(95,824)	(80,735)	(22,608)	(178,847)	(182,286)	(102,403)	(1,115,272)
21	Net Environmental Costs	Sum Lines 18:20	\$ 986,572	\$ 226,693	\$ 145,416	\$ 1,141,518	\$ 1,125,870	\$ 1,507,003	\$ 11,914,271
22	Total System Sales	Monthly Fuel Filing	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,966
23	Environmental System Costs Incurred c/kwh	Line 21 / Line 22 * 100	0.018	0.005	0.003	0.023	0.020	0.028	0.025
24	SC Retail Sales kWh	Monthly Fuel Filing	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,967
25	SC Environmental Costs	Line 23 * Line 24 / 100	\$ 93,971	\$ 23,724	\$ 16,050	\$ 107,124	\$ 110,189	\$ 151,495	\$ 1,172,257
26	SC General Service (non-demand) Environmental Cost Allocated by Firm CP	Line 25 * Line 2 (or Line 1)	\$ 4,906	\$ 1,239	\$ 838	\$ 5,593	\$ 6,969	\$ 9,582	\$ 64,091
27	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	26,354,172	19,410,329	18,129,415	21,994,496	24,190,985	23,113,727	259,426,911
28	SC General Service (non-demand) Environmental Costs Incurred c/kwh	Line 26 / Line 27 * 100	0.019	0.006	0.005	0.025	0.029	0.041	0.025
29	SC General Service (non-demand) Environmental Costs Billed c/kwh	2020-1-E	0.012	0.012	0.012	0.012	0.012	0.012	
30	Current Month (Over) / Under Recovered Balance	(Line 28 - Line 29) * Line 27 / 100	\$ 1,743	\$ (1,090)	\$ (1,338)	\$ 2,954	\$ 4,066	\$ 6,808	\$ (5,625)
31	Prior Year Balance	2020-1-E							(18,471)
32	Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 30+ Line 31	\$ (35,496)	\$ (36,586)	\$ (37,924)	\$ (34,970)	\$ (30,904)	\$ (24,096)	\$ (24,096)

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DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 4
Page 4 of 6
DOCKET NO. 2021-1-E

Line No.		General Service (non-demand)						
1	Summer 2020 Firm Coincident Peak (CP) kW	6.32%						
2	Winter 2019 Firm Coincident Peak (CP) kW	5.22%						

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
33	Total Reagents		\$ 589,702	\$ 331,373	\$ 118,031	\$ 693,831	\$ 14,746,306
34	Emission Allowances		2,380	514	193	1,134	20,394
35	Amounts Recovered in Off-System Sales		(28,753)	(1,412)	(836)	(3,128)	(1,149,401)
36	Net Environmental Costs	Sum Lines 33:35	\$ 563,329	\$ 330,475	\$ 117,388	\$ 691,837	\$ 13,617,300
37	Projected Total System Sales	Exhibit 2 Page 3 Line 57	4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288
38	Environmental System Costs Incurred ¢/kwh	Line 36 / Line 37 * 100	0.012	0.008	0.003	0.014	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,633
40	SC Environmental Costs	Line 38 * Line 39 / 100	\$ 58,201	\$ 38,398	\$ 12,832	\$ 72,003	\$ 1,353,691
41	SC General Service (non-demand) Environmental Cost Allocated by Firm CP	Line 40 * Line 1	\$ 3,681	\$ 2,429	\$ 812	\$ 4,554	\$ 75,566
42	Projected SC General Service (non-demand) kWh Sales		19,869,373	22,284,133	22,022,560	23,234,953	346,837,935
43	SC General Service (non-demand) Environmental Costs Incurred ¢/kwh	Line 41 / Line 42 * 100	0.019	0.011	0.004	0.020	
44	SC General Service (non-demand) Environmental Costs Billed ¢/kwh	2020-1-E	0.012	0.012	0.012	0.012	
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ 1,297	\$ (246)	\$ (1,831)	\$ 1,766	\$ (4,639)
46	Prior Year Balance	2020-1-E					(18,471)
47	Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 45 + Line 46	\$ (22,799)	\$ (23,045)	\$ (24,876)	\$ (23,110)	\$ (23,110)
48	SC Projected General Service (non-demand) kWh Sales July 2021 - June 2022						286,080,189
49	SC General Service (non-demand) Environmental Increment / (Decrement) Calculated Rate (¢/kwh)	(Line 47 / Line 48 * 100)					(0.008)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Line No.		General Service (demand)							
1	Summer 2020 Firm Coincident Peak (CP) kW	47.95%							
2	Winter 2019 Firm Coincident Peak (CP) kW	41.85%							
Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020	
3	Total Reagents	Monthly Fuel Filing	\$ 511,642	\$ 20,268	\$ 68,537	\$ 1,467,751	\$ 2,531,942	\$ 2,626,945	
4	Emission Allowances	Monthly Fuel Filing	195	195	-	67	1,980	4,245	
5	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(28,012)	(15,499)	(25,863)	(69,561)	(211,876)	(101,758)	
6	Net Environmental Costs	Sum Lines 3:5	\$ 483,825	\$ 4,964	\$ 42,674	\$ 1,398,257	\$ 2,322,046	\$ 2,529,432	
7	Total System Sales kWh	Monthly Fuel Filing	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745	
8	Environmental System Costs Incurred c/kwh	Line 6 / Line 7 * 100	0.011	0.000	0.001	0.029	0.039	0.041	
9	SC Retail Sales kWh	Monthly Fuel Filing	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576	
10	SC Environmental Costs	Line 8 * Line 9 / 100	\$ 50,533	\$ 535	\$ 4,233	\$ 138,136	\$ 213,155	\$ 263,114	
11	SC General Service (demand) Environmental Cost Allocated by Firm CP	Line 10 * Line 2	\$ 21,149	\$ 224	\$ 1,771	\$ 57,813	\$ 89,211	\$ 110,120	
12	SC General Service (demand) kW Sales	Monthly Fuel Filing	780,728	724,996	710,711	774,806	756,245	903,356	
13	SC General Service (demand) Environmental Costs Incurred c / kW	Line 11 / Line 12 * 100	3	0	0	7	12	12	
14	SC General Service (demand) Environmental Costs Billed c / kW	2019-1-E, 2020-1-E	9	9	8	8	7	5	
15	Current Month (Over) / Under Recovered Balance	(Line 13 - Line 14) * Line 12 / 100	\$ (46,315)	\$ (61,987)	\$ (58,456)	\$ (6,402)	\$ 35,393	\$ 69,169	
16	Prior Year Balance	2020-1-E	36,009						
17	Cumulative SC Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 15 + Line 16	\$ (10,306)	\$ (72,293)	\$ (130,749)	\$ (137,151)	\$ (101,758)	\$ (32,589)	

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
18	Total Reagents	Monthly Fuel Filing	\$ 1,078,911	\$ 305,963	\$ 167,438	\$ 1,320,496	\$ 1,306,305	\$ 1,607,171	\$ 13,013,369
19	Emission Allowances	Monthly Fuel Filing	3,485	1,465	586	(131)	1,851	2,235	16,173
20	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(95,824)	(80,735)	(22,608)	(178,847)	(182,286)	(102,403)	(1,115,272)
21	Net Environmental Costs	Sum Lines 18:20	\$ 986,572	\$ 226,693	\$ 145,416	\$ 1,141,518	\$ 1,125,870	\$ 1,507,003	\$ 11,914,271
22	Total System Sales kWh	Monthly Fuel Filing	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,965
23	Environmental System Costs Incurred c/kwh	Line 21 / Line 22 * 100	0.018	0.005	0.003	0.023	0.020	0.028	
24	SC Retail Sales kWh	Monthly Fuel Filing	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,967
25	SC Environmental Costs	Line 23 * Line 24 / 100	\$ 93,971	\$ 23,724	\$ 16,050	\$ 107,124	\$ 110,189	\$ 151,495	\$ 1,172,257
26	SC General Service (demand) Environmental Cost Allocated by Firm CP	Line 25 * Line 2 (or Line 1)	\$ 39,329	\$ 9,929	\$ 6,717	\$ 44,834	\$ 52,837	\$ 72,644	\$ 506,579
27	SC General Service (demand) kW Sales	Monthly Fuel Filing	700,944	721,696	843,476	655,480	711,921	758,175	9,042,535
28	SC General Service (demand) Environmental Costs Incurred c / kW	Line 26 / Line 27 * 100	6	1	1	7	7	10	6
29	SC General Service (demand) Environmental Costs Billed c / kW	2020-1-E	6	5	4	6	5	5	5
30	Current Month (Over) / Under Recovered Balance	(Line 28 - Line 29) * Line 27 / 100	\$ (828)	\$ (27,667)	\$ (30,501)	\$ 5,965	\$ 16,612	\$ 34,050	\$ (70,967)
31	Prior Year Balance	2020-1-E							36,009
32	Cumulative SC General Service (demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 30 + Line 31	\$ (33,417)	\$ (61,084)	\$ (91,585)	\$ (85,620)	\$ (69,008)	\$ (34,958)	\$ (34,958)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 4
Page 6 of 6
DOCKET NO. 2021-1-E

Line No.	General Service (demand)						
1	Summer 2020 Firm Coincident Peak (CP) kW	47.95%					
2	Winter 2019 Firm Coincident Peak (CP) kW	41.85%					

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
33	Total Reagents		\$ 589,702	\$ 331,373	\$ 118,031	\$ 693,831	\$ 14,746,306
34	Emission Allowances		2,380	514	193	1,134	20,394
35	Amounts Recovered in Off-System Sales		(28,753)	(1,412)	(836)	(3,128)	(1,149,401)
36	Net Environmental Costs	Sum Lines 33:35	\$ 563,329	\$ 330,475	\$ 117,388	\$ 691,837	\$ 13,617,300
37	Projected Total System Sales kWh	Exhibit 2 Page 3 Line 57	4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288
38	Environmental System Costs Incurred ¢/kwh	Line 36 / Line 37 * 100	0.012	0.008	0.003	0.014	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,633
40	SC Environmental Costs	Line 38 * Line 39/ 100	\$ 58,201	\$ 38,398	\$ 12,832	\$ 72,003	\$ 1,353,691
41	SC General Service (demand) Environmental Cost Allocated by Firm CP	Line 40 * Line 1	\$ 27,908	\$ 18,412	\$ 6,153	\$ 34,526	\$ 593,579
42	Projected SC General Service (demand) kW Sales		795,623	742,119	695,423	686,830	11,962,530
43	SC General Service (demand) Environmental Costs Incurred ¢ / kW	Line 41 / Line 42 * 100	4	2	1	5	
44	SC General Service (demand) Environmental Costs Billed ¢ / kW	2020-1-E	5	6	6	6	
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ (12,852)	\$ (26,115)	\$ (35,572)	\$ (6,684)	\$ (152,190)
46	Prior Year Balance	2020-1-E					\$ 36,009
47	Cumulative SC General Service (demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 45 + Line 46	\$ (47,810)	\$ (73,925)	\$ (109,497)	\$ (116,181)	(116,181)
48	SC Projected General Service (demand) kW Sales July 2021 - June 2022						9,008,604
49	SC General Service (demand) Environmental Increment / (Decrement) Calculated Rate (¢/kw)	(Line 47 / Line 48 * 100)					(1)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED BILLING PERIOD ENVIRONMENTAL COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATES JULY 2021 - JUNE 2022

Line No.	Class	Summer 2020 Firm	
		Coincident Peak (CP) KWs	CP %
1	Residential	495,826	45.72%
2	General Service (non-demand)	68,584	6.32%
3	General Service (demand)	519,975	47.95%
4	Lighting	0	0.00%
5	Total SC	1,084,384	100.00%

Line No.	Description	Reference	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021
6	Total Reagents		\$ 1,386,119	\$ 1,140,149	\$ 428,535	\$ 20,658	\$ 157,134	\$ 937,347
7	Emission Allowances		2,188	1,803	665	29	241	1,453
8	Estimated Amounts Recovered in Off-system Sales		(2,104)	(1,556)	(318)	(191)	(486)	(7,476)
9	Net Environmental Costs	Sum Lines 6:8	\$ 1,386,203	\$ 1,140,396	\$ 428,882	\$ 20,496	\$ 156,889	\$ 931,324
10	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 9	5,998,569,935	5,987,851,586	5,323,852,943	4,523,257,832	4,323,526,822	5,016,762,180
11	Environmental System Costs Incurred c/kWh	Line 9 / Line 10 * 100	0.023	0.019	0.008	0.000	0.004	0.019
12	Projected SC Retail Sales	Exhibit 3: (Line 13 - Line 10)	630,526,622	642,726,588	586,035,177	523,208,594	477,371,345	537,683,197
13	SC Environmental Costs	Line 11 * Line 12 / 100	145,708	122,408	47,210	2,371	17,323	99,817

Line No.	Description	Reference	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	Billing Period Twelve Months Ended June 2022
14	Total Reagents		\$ 2,433,399	\$ 1,971,198	\$ 250,335	\$ 92,636	\$ 117,072	\$ 647,211	\$ 9,581,793
15	Emission Allowances		2,854	2,349	301	107	144	796	12,930
16	Estimated Amounts Recovered in Off-system Sales		(30,670)	(14,678)	(2,817)	(2,011)	(1,631)	(8,653)	(72,591)
17	Net Environmental Costs	Sum Lines 14:16	\$ 2,405,583	\$ 1,958,869	\$ 247,819	\$ 90,732	\$ 115,585	\$ 639,354	\$ 9,522,132
18	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 25	5,602,649,406	5,378,344,414	4,926,717,856	4,288,018,381	4,403,701,291	5,167,165,757	60,940,418,400
19	Environmental System Costs Incurred c/kWh	Line 17 / Line 18 * 100	0.043	0.036	0.005	0.002	0.003	0.012	
20	Projected SC Retail Sales	Exhibit 3: (Line 29 - Line 26)	581,458,121	592,116,901	548,913,246	500,573,327	484,165,006	541,017,367	6,645,795,489
21	SC Environmental Costs	Line 19 * Line 20 / 100	249,658	215,657	27,611	10,592	12,708	66,942	1,018,000
SC Environmental Costs Allocated on Firm CP kW's									
22	Residential	Total Line 21 * Line 1							\$ 465,474
23	General Service (Non-demand)	Total Line 21 * Line 2							64,385
24	General Service (Demand)	Total Line 21 * Line 3							488,145
25	Lighting	Total Line 21 * Line 4							-
26	Total SC	Sum Lines 22:25							\$ 1,018,000
Projected SC Retail Sales kWh (July 2021 - June 2022)									
27	Residential	Exhibit 4 Page 2 Line 48							2,318,240,848
28	General Service (non-demand)	Exhibit 4 Page 4 Line 48							286,080,189
29	General Service (demand)								3,947,234,727
30	Lighting								94,239,725
31	Total SC	Sum Lines 27:30							6,645,795,489
Projected Average Environmental Fuel Cost c/kWh									
32	Residential	Line 22 / Line 27 * 100							0.020
33	General Service (non-demand)	Line 23 / Line 28 * 100							0.023
34	Lighting	Line 25 / Line 30 * 101							0.000
Projected Average Environmental Fuel Cost c/kW									
35	SC Projected General Service (demand) kW Sales July 2021 - June 2022	Exhibit 4 Page 6 Line 48							9,008,604
36	General Service (demand) (c/kW)	Line 24 / Line 35 * 100							5

Exhibit 6
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DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
REVENUE ADJUSTMENT FACTOR FOR RECD
FOR THE 12 MONTHS ENDED FEBRUARY 28, 2021

Residential Adjustment Factor

1	Billed kWh (12ME 2/28/21)	Per Books	2,069,125,694	
2	Billed RECD kWh (12ME 2/28/21)	Per Books	<u>292,499,315</u>	(a)
3	RECD kWh Percent of Total Billed	Line 2 / Line 1	14.1364%	
4	RECD Discount	RECD Discount	<u>5.0000%</u>	(b)
5	RECD Impact (Weighted Discount)	Line 3 X Line 4	0.7068%	

Notes:

(a) Energy billed and discounted pursuant to Residential Energy Conservation Discount, Rider RECD-2D.

(b) Five-percent discount provided under Residential Energy Conservation Discount, Rider RECD-2D.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Exhibit
Page 1 of 1
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Line No.		Residential							
1	Summer 2020 Firm Coincident Peak (CP) kW	45.72%							
2	Winter 2019 Firm Coincident Peak (CP) kW	52.93%							
Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020	
3	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 3,662,161	\$ 5,374,198	\$ 7,664,397	\$ 5,796,342	\$ 16,682,022	\$ 11,785,637	
4	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	11,985,968	13,436,824	13,233,439	13,531,866	11,442,257	13,414,124	
5	Total Capacity Related Costs	Lines 3 + Line 4	\$ 15,648,129	\$ 18,811,022	\$ 20,897,836	\$ 19,328,208	\$ 28,124,279	\$ 25,199,761	
6	Total System kWh Sales	Monthly Fuel Filing	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745	
7	Capacity Related System Costs Incurred (¢/kWh)	Line 5 / Line 6 * 100	0.344	0.472	0.525	0.399	0.468	0.404	
8	SC Retail Sales kWh	Monthly Fuel Filing	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576	
9	SC Capacity Related Costs Incurred	Line 7 * Line 8 / 100	\$ 1,634,349	\$ 2,025,533	\$ 2,072,718	\$ 1,909,460	\$ 2,581,703	\$ 2,621,304	
10	SC Residential Capacity Related Costs Allocated by Firm CP	Line 9 * Line 2	\$ 865,002	\$ 1,072,042	\$ 1,097,015	\$ 1,010,609	\$ 1,366,403	\$ 1,387,362	
11	SC Residential kWh Sales	Monthly Fuel Filing	160,747,771	126,293,315	120,440,614	153,355,563	197,448,926	219,403,760	
12	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 10 / Line 11 * 100	0.538	0.849	0.911	0.659	0.692	0.632	
13	SC Residential Non-Fuel Base Rates Billed (¢/kWh)	2019-1-E, 2020-1-E	0.692	0.692	0.692	0.692	0.619	0.528	
14	Current Month (Over) / Under Recovered Balance	(Line 12 - Line 13)*Line 11 /100	\$ (247,586)	\$ 198,269	\$ 263,866	\$ (50,274)	\$ 144,961	\$ 227,860	
15	Prior Year Balance	2020-1-E	894,163						
16	Cumulative SC Residential Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 14 + Line 15	\$ 646,577	\$ 844,846	\$ 1,108,712	\$ 1,058,438	\$ 1,203,399	\$ 1,431,259	

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
17	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 9,015,684	\$ 6,157,840	\$ 2,907,002	\$ 4,765,513	\$ 4,164,278	\$ 3,135,338	\$ 81,110,411
18	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	13,041,833	12,973,935	12,785,579	13,505,848	12,579,602	12,559,790	154,491,065
19	Total Capacity Related Costs	Line 17 + Line 18	\$ 22,057,517	\$ 19,131,775	\$ 15,692,581	\$ 18,271,361	\$ 16,743,880	\$ 15,695,128	\$ 235,601,476
20	Total System kWh Sales	Monthly Fuel Filing	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,961
21	Capacity Related System Costs Incurred (¢/kWh)	Line 19 / Line 20 * 100	0.413	0.440	0.354	0.368	0.301	0.290	
22	SC Retail Sales kWh	Monthly Fuel Filing	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,967
23	SC Capacity Related Costs Incurred	Line 21 * Line 22 / 100	\$ 2,100,973	\$ 2,002,231	\$ 1,732,004	\$ 1,714,645	\$ 1,638,721	\$ 1,577,787	\$ 23,611,428
24	SC Residential Capacity Related Costs Allocated by Firm CP	Line 23 * Line 2 or (Line 1)	\$ 1,111,970	\$ 1,059,709	\$ 916,687	907,500	749,291	\$ 721,430	\$ 12,265,015
25	SC Residential kWh Sales	Monthly Fuel Filing	190,130,510	126,202,427	121,181,010	189,915,054	226,920,281	219,741,489	2,051,780,726
26	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 24 / Line 25 * 100	0.585	0.840	0.756	0.478	0.330	0.328	
27	SC Residential Non-Fuel Base Rates Billed (¢/kWh)	2020-1-E	0.528	0.528	0.528	0.528	0.528	0.528	
28	Current Month (Over) / Under Recovered Balance	(Line 26 - Line 27)*Line 25 /100	\$ 107,838	\$ 393,328	\$ 276,764	\$ (96,034)	\$ (449,779)	\$ (439,837)	\$ 329,371
29	Prior Year Balance	2020-1-E	894,163						894,163
30	Cumulative SC Residential Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 28 + Line 29	\$ 1,539,097	\$ 1,932,425	\$ 2,209,189	\$ 2,113,155	\$ 1,663,376	\$ 1,223,539	\$ 1,223,539

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DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 7
Page 2 of 6
DOCKET NO. 2021-1-E

Line No.		Residential						
1	Summer 2020 Firm Coincident Peak (CP) kW	45.72%						
2	Winter 2019 Firm Coincident Peak (CP) kW	52.93%						

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
31	PURPA Purchased Power Capacity Costs		\$ 4,073,058	\$ 5,779,000	\$ 6,248,046	\$ 6,276,345	\$ 103,486,861
32	Firm Natural Gas Transportation and Storage Costs		12,796,278	10,396,719	10,662,981	10,886,941	199,233,984
33	Total Capacity Related Costs	Line 31 + Line 32	\$ 16,869,336	\$ 16,175,719	\$ 16,911,027	\$ 17,163,286	\$ 302,720,845
34	Projected Total System kWh Sales	Exhibit 2 Page 3 Line 57	4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288
35	Capacity Related System Costs Incurred (¢/kWh)	Line 33 / Line 34 * 100	0.351	0.380	0.389	0.337	
36	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,633
37	SC Capacity Related Costs Incurred	Line 35 * Line 36 / 100	\$ 1,742,877	\$ 1,879,452	\$ 1,848,658	\$ 1,786,270	\$ 30,868,685
38	SC Residential Capacity Related Costs Allocated by Firm CP	Line 37 * Line 1	\$ 796,916	\$ 859,363	\$ 845,283	\$ 816,757	\$ 15,583,338
39	Projected SC Residential kWh Sales	Exhibit 4 Page 2 Line 42	177,893,777	158,102,344	142,481,559	178,513,664	2,708,772,064
40	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 38 / Line 39 * 100	0.448	0.544	0.593	0.458	
41	SC Residential Non-Fuel Base Rates Billed (¢/kWh)	2020-1-E	0.528	0.528	0.528	0.528	
42	Current Month (Over) / Under Recovered Balance	(Line 40 - Line 41)*Line 39 /100	\$ (143,103)	\$ 24,583	\$ 92,981	\$ (125,795)	\$ 178,042
43	Prior Year Balance	2020-1-E					894,163
44	Cumulative SC Residential Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 42 + Line 43	\$ 1,080,436	\$ 1,105,019	\$ 1,198,000	\$ 1,072,205	\$ 1,072,205
45	SC Projected SC Residential Sales July 2021 - June 2022	Exhibit 4 Page 2 Line 48					2,318,240,848
46	SC Projected Residential Capacity Related Increment / (Decrement) Calculated Rate (¢/kWh)	(Line 44 / Line 45 * 100)					0.046

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Line No.		General Service (non-demand)							
1	Summer 2020 Firm Coincident Peak (CP) kW's	6.32%							
2	Winter 2019 Firm Coincident Peak (CP) kW's	5.22%							

Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020	
3	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 3,662,161	\$ 5,374,198	\$ 7,664,397	\$ 5,796,342	\$ 16,682,022	\$ 11,785,637	
4	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	11,985,968	13,436,824	13,233,439	13,531,866	11,442,257	13,414,124	
5	Total Capacity Related Costs	Lines 3 + Line 4	\$ 15,648,129	\$ 18,811,022	\$ 20,897,836	\$ 19,328,208	\$ 28,124,279	\$ 25,199,761	
6	Total System kWh Sales	Monthly Fuel Filing	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745	
7	Capacity Related System Costs Incurred (c/kWh)	Line 5 / Line 6 * 100	0.344	0.472	0.525	0.399	0.468	0.404	
8	SC Retail Sales kWh	Monthly Fuel Filing	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576	
9	SC Capacity Related Costs Incurred	Line 7 * Line 8 / 100	\$ 1,634,349	\$ 2,025,533	\$ 2,072,718	\$ 1,909,460	\$ 2,581,703	\$ 2,621,304	
10	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	Line 9 * Line 2	\$ 85,329	\$ 105,752	\$ 108,216	\$ 99,692	\$ 134,790	\$ 136,857	
11	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	19,338,767	15,954,626	15,610,895	20,375,959	26,082,214	28,871,331	
12	SC General Service (non-demand) Capacity Related Cost Incurred (c/kWh)	Line 10 / Line 11 * 100	0.441	0.663	0.693	0.489	0.517	0.474	
13	SC General Service (non-demand) Non-Fuel Base Rates Billed (c/kWh)	2019-1-E, 2020-1-E	0.522	0.522	0.522	0.522	0.449	0.358	
14	Current Month (Over) / Under Recovered Balance	(Line 12 - Line 13)*Line 11 /100	\$ (15,619)	\$ 22,469	\$ 26,727	\$ (6,671)	\$ 17,783	\$ 33,406	
15	Prior Year Balance	2020-1-E	(17,609)						
16	Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 14 + Line 15	\$ (33,228)	\$ (10,759)	\$ 15,968	\$ 9,297	\$ 27,080	\$ 60,486	

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
17	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 9,015,684	\$ 6,157,840	\$ 2,907,002	\$ 4,765,513	\$ 4,164,278	\$ 3,135,338	\$ 81,110,412
18	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	13,041,833	12,973,935	12,785,579	13,505,848	12,579,602	12,559,790	154,491,065
19	Total Capacity Related Costs	Line 17 + Line 18	\$ 22,057,517	\$ 19,131,775	\$ 15,692,581	\$ 18,271,361	\$ 16,743,880	\$ 15,695,128	\$ 235,601,477
20	Total System kWh Sales	Monthly Fuel Filing	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,965
21	Capacity Related System Costs Incurred (c/kWh)	Line 19 / Line 20 * 100	0.413	0.440	0.354	0.368	0.301	0.290	
22	SC Retail Sales kWh	Monthly Fuel Filing	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,967
23	SC Capacity Related Costs Incurred	Line 21 * Line 22 / 100	\$ 2,100,973	\$ 2,002,231	\$ 1,732,004	\$ 1,714,645	\$ 1,638,721	\$ 1,577,787	\$ 23,611,428
24	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	Line 23 * Line 2 or (Line 1)	\$ 109,691	\$ 104,536	\$ 90,427	\$ 89,521	\$ 103,644	\$ 99,790	\$ 1,268,244
25	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	26,354,172	19,410,329	18,129,415	21,994,496	24,190,985	23,113,727	259,426,916
26	SC General Service (non-demand) Capacity Related Cost Incurred (c/kWh)	Line 24 / Line 25 * 100	0.416	0.539	0.499	0.407	0.428	0.432	0.489
27	SC General Service (non-demand) Non-Fuel Base Rates Billed (c/kWh)	2020-1-E	0.358	0.358	0.358	0.358	0.358	0.358	
28	Current Month (Over) / Under Recovered Balance	(Line 26 - Line 27)*Line 25 /100	\$ 15,343	\$ 35,047	\$ 25,524	\$ 10,781	\$ 17,040	\$ 17,043	\$ 198,873
29	Prior Year Balance		(17,609)						(17,609)
30	Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 28 + Line 29	\$ 75,829	\$ 110,876	\$ 136,400	\$ 147,181	\$ 164,221	\$ 181,264	\$ 181,264

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 7
Page 4 of 6
DOCKET NO. 2021-1-E

Line No.		General Service (non-demand)						
1	Summer 2020 Firm Coincident Peak (CP) kW	6.32%						
2	Winter 2019 Firm Coincident Peak (CP) kW	5.22%						

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
31	PURPA Purchased Power Capacity Costs		\$ 4,073,058	\$ 5,779,000	\$ 6,248,046	\$ 6,276,345	\$ 103,486,861
32	Firm Natural Gas Transportation and Storage Costs		12,796,278	10,396,719	10,662,981	10,886,941	199,233,984
33	Total Capacity Related Costs	Line 31 + Line 32	\$ 16,869,336	\$ 16,175,719	\$ 16,911,027	\$ 17,163,286	\$ 302,720,845
34	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288
35	Capacity Related System Costs Incurred (¢/kWh)	Line 33 / Line 34 * 100	0.351	0.380	0.389	0.337	
36	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,633
37	SC Capacity Related Costs Incurred	Line 35 * Line 36 / 100	\$ 1,742,877	\$ 1,879,452	\$ 1,848,658	\$ 1,786,270	\$ 30,868,685
38	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	Line 37 * Line 1	\$ 110,231	\$ 118,869	\$ 116,922	\$ 112,976	\$ 1,727,242
39	Projected SC General Service (non-demand) kWh Sales	Exhibit 4 Page 4 Line 42	19,869,373	22,284,133	22,022,560	23,234,953	346,837,935
40	SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh)	Line 38 / Line 39 * 100	0.555	0.533	0.531	0.486	
41	SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh)	2020-1-E	0.358	0.358	0.358	0.358	
42	Current Month (Over) / Under Recovered Balance	(Line 40 - Line 41)*Line 39 /100	\$ 39,099	\$ 39,092	\$ 38,081	\$ 29,795	\$ 344,940
43	Prior Year Balance						(17,609)
44	Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 42 + Line 43	\$ 220,363	\$ 259,455	\$ 297,536	\$ 327,331	327,331
45	SC Projected General Service (non-demand) kWh Sales July 2021 - June 2022	Exhibit 4 Page 4 Line 48					286,080,189
46	SC Projected General Service (non-demand) Capacity Related Increment / (Decrement) Calculated Rate (¢/kWh)	(Line 44 / Line 45 * 100)					0.114

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Line No.		General Service (demand)							
1	Summer 2020 Firm Coincident Peak (CP) kW	47.95%							
2	Winter 2019 Firm Coincident Peak (CP) kW	41.85%							
Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020	
3	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 3,662,161	\$ 5,374,198	\$ 7,664,397	\$ 5,796,342	\$ 16,682,022	\$ 11,785,637	
4	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	11,985,968	13,436,824	13,233,439	13,531,866	11,442,257	13,414,124	
5	Total Capacity Related Costs	Lines 3 + Line 4	\$ 15,648,129	\$ 18,811,022	\$ 20,897,836	\$ 19,328,208	\$ 28,124,279	\$ 25,199,761	
6	Total System kWh Sales	Monthly Fuel Filing	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745	
7	Capacity Related System Costs Incurred (c/kWh)	Line 5 / Line 6 * 100	0.344	0.472	0.525	0.399	0.468	0.404	
8	SC Retail Sales kWh	Monthly Fuel Filing	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576	
9	SC Capacity Related Costs Incurred	Line 7 * Line 8 / 100	\$ 1,634,348.83	\$ 2,025,533	\$ 2,072,718	\$ 1,909,460	\$ 2,581,703	\$ 2,621,304	
10	SC General Service (demand) Capacity Related Cost Allocated by Firm CP	Line 9 * Line 2	\$ 684,018	\$ 847,739	\$ 867,487	\$ 799,159	\$ 1,080,511	\$ 1,097,085	
11	SC General Service (demand) kW Sales	Monthly Fuel Filing	780,728	724,996	710,711	774,806	756,245	903,356	
12	SC General Service (demand) Capacity Related Costs Incurred (c/kW)	Line 10 / Line 11 * 100	88	117	122	103	143	121	
13	SC General Service (demand) Non-Fuel Base Rates Billed (c/kW)	2019-1-E, 2020-1-E	79	79	78	76	86	81	
14	Current Month (Over) / Under Recovered Balance	(Line 12 - Line 13)*Line 11 /100	\$ 63,352	\$ 275,406	\$ 313,394	\$ 208,389	\$ 427,431	\$ 360,853	
15	Prior Year Balance	2020-1-E	1,404,022						
16	Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 14 + Line 15	\$ 1,467,374	\$ 1,742,780	\$ 2,056,174	\$ 2,264,563	\$ 2,691,994	\$ 3,052,847	

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
17	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 9,015,684	\$ 6,157,840	\$ 2,907,002	\$ 4,765,513	\$ 4,164,278	\$ 3,135,338	\$ 81,110,411
18	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	13,041,833	12,973,935	12,785,579	13,505,848	12,579,602	12,559,790	154,491,066
19	Total Capacity Related Costs	Line 17 + Line 18	\$ 22,057,517	\$ 19,131,775	\$ 15,692,581	\$ 18,271,361	\$ 16,743,880	\$ 15,695,128	\$ 235,601,477
20	Total System kWh Sales	Monthly Fuel Filing	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,968
21	Capacity Related System Costs Incurred (c/kWh)	Line 19 / Line 20 * 100	0.413	0.440	0.354	0.368	0.301	0.290	
22	SC Retail Sales kWh	Monthly Fuel Filing	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,966
23	SC Capacity Related Costs Incurred	Line 21 * Line 22 / 100	\$ 2,100,973	\$ 2,002,231	\$ 1,732,004	\$ 1,714,645	\$ 1,638,721	\$ 1,577,787	\$ 23,611,432
24	SC General Service (demand) Capacity Related Cost Allocated by Firm CP	Line 23 * Line 2 or (Line 1)	\$ 879,313	\$ 837,986	\$ 724,889	\$ 717,624	\$ 785,786	\$ 756,567	\$ 10,078,166
25	SC General Service (demand) kW Sales	Monthly Fuel Filing	700,944	721,696	843,476	655,480	711,921	758,175	9,042,531
26	SC General Service (demand) Capacity Related Costs Incurred (c/kW)	Line 24 / Line 25 * 100	125	116	86	109	110	100	
27	SC General Service (demand) Non-Fuel Base Rates Billed (c/kW)	2020-1-E	103	94	79	107	92	92	
28	Current Month (Over) / Under Recovered Balance	(Line 26 - Line 27)*Line 25 /100	\$ 157,379	\$ 161,228	\$ 54,960	\$ 17,989	\$ 133,675	\$ 61,872	\$ 2,235,922
29	Prior Year Balance	2020-1-E							1,404,022
30	Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 28 + Line 29	\$ 3,210,226	\$ 3,371,454	\$ 3,426,414	\$ 3,444,403	\$ 3,578,078	\$ 3,639,950	\$ 3,639,950

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Line No.		General Service (demand)						
1	Summer 2020 Firm Coincident Peak (CP) kW	47.95%						
2	Winter 2019 Firm Coincident Peak (CP) kW	41.85%						

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
31	PURPA Purchased Power Capacity Costs		\$ 4,073,058	\$ 5,779,000	\$ 6,248,046	\$ 6,276,345	\$ 103,486,861
32	Firm Natural Gas Transportation and Storage Costs		12,796,278	10,396,719	10,662,981	10,886,941	199,233,984
33	Total Capacity Related Costs	Line 31 + Line 32	\$ 16,869,336	\$ 16,175,719	\$ 16,911,027	\$ 17,163,286	\$ 302,720,845
34	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288
35	Capacity Related System Costs Incurred (¢/kWh)	Line 33 / Line 34 * 100	0.351	0.380	0.389	0.337	
36	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,633
37	SC Capacity Related Costs Incurred	Line 35 * Line 36 / 100	\$ 1,742,877	\$ 1,879,452	\$ 1,848,658	\$ 1,786,270	\$ 30,868,685
38	SC General Service (demand) Capacity Related Cost Allocated by Firm CP	Line 37 * Line 1	\$ 835,730	\$ 901,219	\$ 886,453	\$ 856,538	\$ 13,558,104
39	Projected SC General Service (demand) kW Sales	Exhibit 4 Page 6 Line 42	795,623	742,119	695,423	686,830	11,962,530
40	SC General Service (demand) Capacity Related Costs Incurred (¢/kW)	Line 38 / Line 39 * 100	105	121	127	125	
41	SC General Service (demand) Non-Fuel Base Rates Billed (¢/kW)	2020-1-E	92	108	108	108	
42	Current Month (Over) / Under Recovered Balance	(Line 40 - Line 41)*Line 39 /100	\$ 102,063	\$ 99,731	\$ 135,396	\$ 114,761	\$ 2,687,879
43	Prior Year Balance						1,404,022
44	Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 42 + Line 43	\$ 3,742,013	\$ 3,841,744	\$ 3,977,140	\$ 4,091,901	\$ 4,091,901
45	SC Projected General Service (demand) kW Sales July 2021 - June 2022	Exhibit 4 Page 6 Line 48					9,008,604
46	SC General Service (demand) Environmental Capacity Related Increment / (Decrement) Calculated Rate (¢/kW)	(Line 44 / Line 45 * 100)					

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED CAPACITY RELATED COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATES JULY 2021 - JUNE 2022

Line No.	Class	Summer 2020 Firm Coincident Peak (CP) KWs	CP %
1	Residential	495,826	45.72%
2	General Service (non-demand)	68,584	6.32%
3	General Service (demand)	519,975	47.95%
4	Lighting	0	0.00%
5	Total SC	1,084,384	100.00%

Line No.	Description	Reference	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021
6	PURPA Purchased Power Capacity Costs		\$ 6,435,676	\$ 6,191,640	\$ 5,398,846	\$ 5,232,516	\$ 4,552,304	\$ 4,159,784
7	Firm Natural Gas Transportation and Storage Costs		10,837,328	10,846,850	10,559,455	10,614,571	10,961,788	10,797,824
8	Total Capacity Related Costs	Line 6 + Line 7	\$ 17,273,004	\$ 17,038,490	\$ 15,958,301	\$ 15,847,087	\$ 15,514,092	\$ 14,957,608
9	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 9	5,998,569,935	5,987,851,586	5,323,852,943	4,523,257,832	4,323,526,822	5,016,762,180
10	Capacity Related System Costs Incurred (¢/kWh)	Line 8 / Line 9 *100	0.288	0.285	0.300	0.350	0.359	0.298
11	Projected SC Retail Sales	Exhibit 3: (Line 13 - Line 10)	630,526,622	642,726,588	586,035,177	523,208,594	477,371,345	537,683,197
12	SC Purchased Power Capacity Costs	Line 10 * Line 11 /100	\$ 1,815,614	\$ 1,828,885	\$ 1,756,646	\$ 1,833,044	\$ 1,712,949	\$ 1,603,117

Line No.	Description	Reference	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	Billing Period Twelve Months Ended June 2022
13	PURPA Purchased Power Capacity Costs		\$ 4,231,422	\$ 4,488,885	\$ 5,537,069	\$ 6,107,662	\$ 6,603,223	\$ 6,728,864	\$ 65,667,891
14	Firm Natural Gas Transportation and Storage Costs		10,150,470	10,034,041	11,189,056	10,256,999	10,334,716	10,608,000	127,191,098
15	Total Capacity Related Costs	Line 13 + Line 14	\$ 14,381,892	\$ 14,522,926	\$ 16,726,125	\$ 16,364,661	\$ 16,937,939	\$ 17,336,864	\$ 192,858,989
16	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 25	5,602,649,406	5,378,344,414	4,926,717,856	4,288,018,381	4,403,701,291	5,167,165,757	60,940,418,402
17	Capacity Related System Costs Incurred (¢/kWh)	Line 15 / Line 16 *100	0.257	0.270	0.339	0.382	0.385	0.336	
18	Projected SC Retail Sales	Exhibit 3: (Line 29 - Line 26)	581,458,121	592,116,901	548,913,246	500,573,327	484,165,006	541,017,367	6,645,795,489
19	SC Purchased Power Capacity Costs	Line 17 * Line 18 /100	\$ 1,492,592	\$ 1,598,869	\$ 1,863,551	\$ 1,910,373	\$ 1,862,242	\$ 1,815,220	\$ 21,093,103
SC Capacity Related Costs Allocated on Firm CP kW's									
20	Residential	Total Line 19 * Line 1						\$	9,644,642
21	General Service (non-demand)	Total Line 19 * Line 2							1,334,070
22	General Service (demand)	Total Line 19 * Line 3							10,114,390
23	Lighting	Total Line 19 * Line 4							-
24	Total SC	Sum Lines 20:23						\$	21,093,103
Projected SC Retail Sales kWh (July 2021 - June 2022)									
25	Residential	Exhibit 4 Page 2 Line 48							2,318,240,848
26	General Service (non-demand)	Exhibit 4 Page 4 Line 48							286,080,189
27	General Service (demand)	Exhibit 5 Line 29							3,947,234,727
28	Lighting	Exhibit 5 Line 30							94,239,725
29	Total SC	Sum Lines 25:28							6,645,795,489
SC Capacity Related Costs ¢/kWh									
30	Residential	Line 20 / Line 25 * 100							0.416
31	General Service (non-demand)	Line 21 / Line 26 * 100							0.466
32	Lighting	Line 23 / Line 28 * 100							0.000
SC Projected General Service (demand) kW Sales July 2021 - June 2022									
33	General Service Demand charge for Capacity Related Costs ¢/kW	Exhibit 4 Page 6 Line 48							9,008,604
34		Line 22 / Line 33 * 100							112

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020
<u>DERP Incremental Costs</u>								
1	Purchased Power Agreements	Monthly Fuel Filing	\$ 429	\$ 166	\$ 1,240	\$ 104	\$ 19,950	\$ 11,301
2	DER NEM Incentive	Monthly Fuel Filing	82,673	99,141	94,839	95,392	141,977	162,432
3	Solar Rebate Program - Amortization	Monthly Fuel Filing	47,337	47,775	47,775	47,775	48,712	48,755
4	Solar Rebate Program - Carrying Costs	Monthly Fuel Filing	40,459	40,521	40,476	40,219	40,416	40,628
5	Shared Solar Program	Monthly Fuel Filing	2,039	2,293	5,777	6,502	10,451	9,272
6	NEM Avoided Capacity Costs	Monthly Fuel Filing	3,328	3,518	2,927	2,889	2,952	433
7	NEM Meter Costs	Monthly Fuel Filing	8,776	10,239	10,316	10,399	10,812	10,671
8	General and Administrative Expenses	Monthly Fuel Filing	21,919	23,294	22,491	34,616	33,985	24,135
9	Interest on under-collection due to cap	Monthly Fuel Filing	16	13	13	17	39	36
10	Total DER Incremental Costs	Sum Lines 1:9	\$ 206,973	\$ 226,960	\$ 225,854	\$ 237,913	\$ 309,293	\$ 307,663
11	Revenue Collected	Monthly Fuel Filing	230,102	230,230	230,588	227,552	257,491	285,630
12	Current Month (Over) / Under Recovered Balance	Line 10 - Line 11	\$ (23,129)	\$ (3,270)	\$ (4,733)	\$ 10,361	\$ 51,803	\$ 22,033
13	Prior Year Balance	2020-1-E	45,827					
14	Cumulative SC DERP Incremental Costs (Over) / Under Recovered Balance	Prior Month Cumulative Balance + Line 12 + Line 13	\$ 22,698	\$ 19,428	\$ 14,695	\$ 25,056	\$ 76,859	\$ 98,892

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
<u>DERP Incremental Costs</u>									
15	Purchased Power Agreements	Monthly Fuel Filing	\$ 7,413	\$ 5,939	\$ (4,852)	\$ 2,181	\$ 822	\$ (258)	\$ 44,436
16	DER NEM Incentive	Monthly Fuel Filing	168,922	170,764	147,767	158,892	158,167	193,359	1,674,321
17	Solar Rebate Program - Amortization	Monthly Fuel Filing	49,595	49,715	50,022	50,089	50,089	50,247	587,885
18	Solar Rebate Program - Carrying Costs	Monthly Fuel Filing	40,794	40,992	39,207	39,983	39,751	39,562	483,000
19	Shared Solar Program	Monthly Fuel Filing	8,163	6,265	2,045	3,466	1,031	288	57,599
20	NEM Avoided Capacity Costs	Monthly Fuel Filing	415	422	368	377	357	470	18,450
21	NEM Meter Costs	Monthly Fuel Filing	10,812	10,817	9,855	10,759	10,919	11,424	125,799
22	General and Administrative Expenses	Monthly Fuel Filing	47,910	19,952	17,013	15,860	16,597	23,613	301,384
23	Interest on under-collection due to cap	Monthly Fuel Filing	49	36	21	21	23	31	31
24	Total DER Incremental Costs	Sum Lines 15:23	\$ 334,073	\$ 304,902	\$ 261,446	\$ 281,627	\$ 277,755	\$ 318,736	\$ 3,293,191
25	Revenue Collected	Monthly Fuel Filing	285,953	286,164	273,407	298,206	272,821	287,286	3,165,438
26	Current Month (Over) / Under Recovered Balance	Line 24 - Line 25	\$ 48,120	\$ 18,738	\$ (11,961)	\$ (16,579)	\$ 4,934	\$ 31,450	\$ 127,768
27	Prior Year Balance	2020-1-E							45,827
28	Cumulative SC DERP Incremental Costs (Over) / Under Recovered Balance	Prior Month Cumulative Balance +Line 26 + Line 27	\$ 147,012	\$ 165,750	\$ 153,789	\$ 137,210	\$ 142,144	\$ 173,595	\$ 173,595

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 9
Page 2 of 2
DOCKET NO. 2021-1-E

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
<u>DERP Incremental Costs</u>							
29	Purchased Power Agreements	DERP Model Output	\$ 1,708	\$ 3,791	\$ 4,421	\$ 4,036	\$ 58,391
30	DER NEM Incentive	DERP Model Output	166,793	178,758	181,127	183,411	2,384,413
31	Solar Rebate Program - Amortization	DERP Model Output	50,290	51,379	52,191	52,191	793,937
32	Solar Rebate Program - Carrying Costs	DERP Model Output	39,393	39,790	40,294	40,404	642,889
33	Shared Solar Program	DERP Model Output	776	4,913	5,730	5,231	74,241
34	NEM Avoided Capacity Costs	DERP Model Output	405	487	493	498	20,337
35	NEM Meter Costs	DERP Model Output	10,161	11,876	11,993	11,993	171,823
36	General and Administrative Expenses	DERP Model Output	19,872	35,902	35,902	35,902	428,961
37	Interest on under-collection due to cap	Review Period Average	27	17	31	44	433
38	Total DER Incremental Costs	Sum Lines 29:37	\$ 289,425	\$ 326,912	\$ 332,181	\$ 333,711	\$ 4,575,425
39	Revenue Collected	No. of accts * approved rates	298,257	293,739	294,242	295,055	4,346,723
40	Current Month (Over) / Under Recovered Balance	Line 39 - Line 40	\$ (8,832)	\$ 33,174	\$ 37,939	\$ 38,656	\$ 228,704
41	Prior Year Balance	2020-1-E					45,827
42	Cumulative SC DERP Incremental Costs (Over) / Under Recovered Balance	Prior Month Cumulative Balance +Line 40 + Line 41	\$ 164,762	\$ 197,936	\$ 235,875	\$ 274,531	\$ 274,531

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP INCREMENTAL COSTS (OVER) / UNDER RECOVERY
FOR THE PERIOD MARCH 2020 - JUNE 2021

Exhibit 10
DOCKET NO. 2021-1-E

Line No.			March 2020 through December 2020	January 2021 through June 2021	
1	Total DERP (Over) / Under Balance	Exhibit 9	\$ 137,210	137,321	
	Allocation of DERP Incremental (Over) / Under Recovery		Firm Peak Demand - 2019	March 2020 through December 2020	Cost Allocated per Firm Peak Demand
2	Residential	2 Yrs Prior Peak	52.93%		\$ 72,621
3	Commercial (General Service demand /non-demand)	2 Yrs Prior Peak	27.95%		38,350
4	Industrial (General Service demand /non-demand)	2 Yrs Prior Peak	19.12%		26,240
5	Total	Sum Lines 2:4	100.00%	137,210	\$ 137,210
	Allocation of DERP Incremental (Over) / Under Recovery		Firm Peak Demand - 2020	January 2021 through June 2021	Cost Allocated per Firm Peak Demand
6	Residential	1 Yr Prior Peak	45.72%		\$ 62,789
7	Commercial (General Service demand /non-demand)	1 Yr Prior Peak	33.00%		45,315
8	Industrial (General Service demand /non-demand)	1 Yr Prior Peak	21.28%		29,217
9	Total	Sum Lines 6:8	100.00%	137,321	\$ 137,321
			Total Cost Allocated per Firm Peak Demand	Projected Number of Accounts in Billing Period	\$ per Account per Year \$ per Account per Month
10	Residential	Cost Line 2 + Cost Line 6	\$ 135,409	146,424	\$ 0.92 \$ 0.08
11	Commercial (General Service demand /non-demand)	Cost Line 3 + Cost Line 7	83,665	33,609	2.49 0.21
12	Industrial (General Service demand /non-demand)	Cost Line 4 + Cost Line 8	55,457	284	\$ 195.31 \$ 16.28
13	Total	Sum Lines 10:12	\$ 274,531	180,316	

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS
PROJECTED BILLING PERIOD COSTS JULY 2021 - JUNE 2022

Exhibit 1
DOCKET NO. 2021-1-E

Line No.	Description	Reference	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021
DERP Incremental Costs								
1	Purchased Power Agreements	DERP Model Output	\$ 4,223	\$ 3,893	\$ 2,877	\$ 2,629	\$ 1,734	\$ 1,170
2	DER NEM Incentive	DERP Model Output	185,606	187,715	189,649	191,667	193,775	193,721
3	Solar Rebate Program - Amortization	DERP Model Output	52,803	52,803	55,187	55,187	55,187	55,187
4	Solar Rebate Program - Carrying Costs	DERP Model Output	40,419	40,431	41,282	42,121	41,831	41,540
5	Shared Solar Program	DERP Model Output	5,473	5,046	3,729	3,407	2,247	1,516
6	NEM Avoided Capacity Costs	DERP Model Output	504	509	514	519	525	530
7	NEM Meter Costs	DERP Model Output	11,993	11,993	11,993	11,993	11,993	11,993
8	General and Administrative Expenses	DERP Model Output	35,902	35,902	35,902	35,902	35,902	35,902
9	Interest on under-collection due to cap	Review Period Average	44	44	44	44	44	44
10	Total DER Incremental Costs	Sum Lines 1: 9	\$ 336,967	\$ 338,336	\$ 341,178	\$ 343,470	\$ 343,238	\$ 341,604

Line No.	Description	Reference	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	Billing Period Twelve Months Ended June 2022
DERP Incremental Costs									
11	Purchased Power Agreements	DERP Model Output	\$ 1,252	\$ 1,609	\$ 3,003	\$ 3,754	\$ 4,381	\$ 3,999	\$ 34,523
12	DER NEM Incentive	DERP Model Output	193,664	193,608	193,557	193,500	193,446	193,389	2,303,298
13	Solar Rebate Program - Amortization	DERP Model Output	55,187	55,187	55,187	55,187	55,187	55,187	657,479
14	Solar Rebate Program - Carrying Costs	DERP Model Output	41,395	41,105	40,814	40,523	40,233	39,942	491,637
15	Shared Solar Program	DERP Model Output	1,623	2,085	3,892	4,866	5,678	5,182	44,745
16	NEM Avoided Capacity Costs	DERP Model Output	530	530	530	530	530	530	6,285
17	NEM Meter Costs	DERP Model Output	11,993	11,993	11,993	11,993	11,993	11,993	143,917
18	General and Administrative Expenses	DERP Model Output	23,765	23,765	23,765	23,765	23,765	23,765	358,001
19	Interest on under-collection due to cap	Review Period Average	44	44	44	44	44	44	530
20	Total DER Incremental Costs	Sum Lines 11:19	\$ 329,455	\$ 329,926	\$ 332,785	\$ 334,164	\$ 335,258	\$ 334,033	\$ 4,040,415

Exhibit 12
DOCKET NO. 2021-1-E

**DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS
PROJECTED BILLING PERIOD COSTS AND CALCULATED RATES JULY 2021 - JUNE 2022**

<u>Line No.</u>			<u>July 2021 through June 2022</u>	
1	Total DERP Projected Incremental Costs	Exhibit 11 Line 20	4,040,415	
Allocation of DERP Incremental Costs				
			Firm Peak Demand - 2020	July 2021 through June 2022
2	Residential	Exhibit 10 Line 6	45.72%	Cost Allocated per Firm Peak Demand
3	Commercial (General Service demand /non-demand)	Exhibit 10 Line 7	33.00%	\$ 1,847,447
4	Industrial (General Service demand /non-demand)	Exhibit 10 Line 8	21.28%	1,333,311
5	Total	Sum Lines 2:4	100.00%	859,657
			4,040,415	\$ 4,040,415
Total Cost Allocated per Firm Peak Demand				
			Projected Number of Accounts in Billing Period	\$ per Account per Year
6	Residential	Cost Line 2	\$ 1,847,447	146,424
7	Commercial (General Service demand /non-demand)	Cost Line 3	1,333,311	33,609
8	Industrial (General Service demand /non-demand)	Cost Line 4	859,657	284
9	Total	Sum Lines 6:8	\$ 4,040,415	180,316
				\$ per Account per Month
				12.62 [1]
				39.67
				3,027.52 [1]
				1.05
				3.31
				252.29

Note:

[1] Residential and Industrial annual charge per-account will be capped not to exceed \$12 and \$1,200, respectively, including gross receipts taxes.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Exhibit 13
Page 1 of 6
DOCKET NO. 2021-1-E

Line No.	Class	Winter 2019 Firm Coincident Peak (CP) KWs	CP %	Summer 2020 Firm Coincident Peak (CP) KWs	CP %
1	Residential	617,032	52.93%	495,826	45.72%
2	General Service (non-demand)	60,868	5.22%	68,584	6.32%
3	General Service (demand)	487,930	41.85%	519,975	47.95%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,165,830	100.00%	1,084,384	100.00%

Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 38,507	\$ 42,314	\$ 68,382	\$ 205,003	\$ 94,501	\$ 164,892
7	Shared Solar Program	Monthly Fuel Filing	5,581	6,765	11,416	8,395	33,002	(13,245)
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 44,088	\$ 49,078	\$ 79,798	\$ 213,399	\$ 127,503	\$ 151,647
9	Total System kWh Sales	Monthly Fuel Filing	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745
10	DERP Avoided System Costs (¢/kWh)	Line 8 / Line 9 * 100	0.001	0.001	0.002	0.004	0.002	0.002
11	SC Retail Sales kWh	Monthly Fuel Filing	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 4,605	\$ 5,285	\$ 7,915	\$ 21,082	\$ 11,704	\$ 15,774
13	SC Residential DER Avoided Costs Allocated by Firm CP	Line 12 * Line 1	\$ 2,437	\$ 2,797	\$ 4,189	\$ 11,158	\$ 6,195	\$ 8,349
14	SC Residential kWh Sales	Monthly Fuel Filing	160,747,771	126,293,315	120,440,614	153,355,563	197,448,926	219,403,760
15	SC Residential DERP Avoided Cost (¢/kWh)	Line 13 / Line 14 * 100	0.002	0.002	0.003	0.007	0.003	0.004
16	SC Residential Rate Billed (¢/kWh)	2019-1-E, 2020-1-E	0.003	0.003	0.003	0.003	0.003	0.002
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16)*Line 14 /100	\$ (2,352)	\$ (964)	\$ 603	\$ 6,591	\$ 1,192	\$ 3,988
18	Prior Year Balance	2020-1-E	(28,451)					
19	Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ (30,803)	\$ (31,767)	\$ (31,164)	\$ (24,573)	\$ (23,381)	\$ (19,394)

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 94,673	\$ 79,786	\$ 107,074	\$ 58,784	\$ 57,035	\$ 55,118	\$ 1,066,069
21	Shared Solar Program	Monthly Fuel Filing	5,969	6,638	7,563	3,801	4,342	4,763	84,990
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 100,642	\$ 86,424	\$ 114,637	\$ 62,585	\$ 61,376	\$ 59,881	\$ 1,151,059
23	Total System kWh Sales	Monthly Fuel Filing	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,965
24	DERP Avoided System Costs (¢/kWh)	Line 22 / Line 23 * 100	0.002	0.002	0.003	0.001	0.001	0.001	
25	SC Retail Sales kWh	Monthly Fuel Filing	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,967
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 9,586	\$ 9,045	\$ 12,653	\$ 5,873	\$ 6,007	\$ 6,020	\$ 115,548
27	SC Residential DER Avoided Costs Allocated by Firm CP	Line 26 * Line 1	\$ 5,074	\$ 4,787	\$ 6,697	\$ 3,108	\$ 2,747	\$ 2,752	\$ 60,289
28	SC Residential kWh Sales	Monthly Fuel Filing	190,130,510	126,202,427	121,181,010	189,915,054	226,920,281	219,741,489	2,051,780,720
29	SC Residential DERP Avoided Cost (¢/kWh)	Line 27 / Line 28 * 100	0.003	0.004	0.006	0.002	0.001	0.001	0.003
30	SC Residential Rate Billed (¢/kWh)	2020-1-E	0.002	0.002	0.002	0.002	0.002	0.002	0.002
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30)*Line 28 /100	\$ 1,299	\$ 2,282	\$ 4,291	\$ (665)	\$ (1,761)	\$ (1,614)	\$ 12,889
32	Prior Year Balance	2020-1-E							(28,451)
33	Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ (18,095)	\$ (15,813)	\$ (11,522)	\$ (12,187)	\$ (13,948)	\$ (15,562)	\$ (15,562)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 13
Page 2 of 6
DOCKET NO. 2021-1-E

Line No.	Class	Winter 2019 Firm Coincident Peak (CP) KWs	CP %	Summer 2020 Firm Coincident Peak (CP) KWs	CP %
1	Residential	617,032	52.93%	495,826	45.72%
2	General Service (non-demand)	60,868	5.22%	68,584	6.32%
3	General Service (demand)	487,930	41.85%	519,975	47.95%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,165,830	100.00%	1,084,385	100.00%

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
34	Purchased Power Agreements	DERP Model Output	\$ 53,039	\$ 118,340	\$ 153,826	\$ 122,824	\$ 1,514,098
35	Shared Solar Program	DERP Model Output	4,840	9,434	10,274	9,792	119,329
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 57,879	\$ 127,774	\$ 164,099	\$ 132,616	\$ 1,633,428
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288
38	DERP Avoided System Costs (¢/kWh)	Line 36 / Line 37* 100	0.001	0.003	0.004	0.003	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,633
40	SC DERP Avoided Costs	Line 38 * Line 39/ 100	\$ 5,980	\$ 14,846	\$ 17,939	\$ 13,802	\$ 168,115
41	SC Residential DER Avoided Costs Allocated by Firm CP	Line 40 * Line 1	\$ 2,734	\$ 6,788	\$ 8,202	\$ 6,311	\$ 84,325
42	Projected SC Residential kWh Sales	Exhibit 4 Page 2 Line 42	177,893,777	158,102,344	142,481,559	178,513,664	2,708,772,064
43	SC Residential DERP Avoided Cost (¢/kWh)	Line 41 / Line 42 * 100	0.002	0.004	0.006	0.004	0.003
44	SC Residential Rate Billed (¢/kWh)	2020-1-E	0.002	0.002	0.002	0.002	0.002
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44)*Line 42 /100	\$ (799)	\$ 3,626	\$ 5,353	\$ 2,741	\$ 23,819
46	Prior Year Balance	2020-1-E					(28,451)
47	Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 45 + Line 46	\$ (16,361)	\$ (12,734)	\$ (7,382)	\$ (4,641)	\$ (4,641)
48	SC Projected SC Residential Sales July 2021 - June 2022	Exhibit 4 Page 2 Line 48					2,318,240,848
49	SC Residential DERP Avoided Costs Increment / (Decrement) (¢/kWh)	Line 47 / Line 48 * 100					0.000

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Line No.	Class	Winter 2019 Firm Coincident Peak	CP %	Summer 2020 Firm Coincident Peak	CP %
		(CP) KWs		(CP) KWs	
1	Residential	617,032	52.93%	495,826	45.72%
2	General Service (non-demand)	60,868	5.22%	68,584	6.32%
3	General Service (demand)	487,930	41.85%	519,975	47.95%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,165,830	100.00%	1,084,385	100.00%

Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 38,507	\$ 42,314	\$ 68,382	\$ 205,003	\$ 94,501	\$ 164,892
7	Shared Solar Program	Monthly Fuel Filing	5,581	6,765	11,416	8,395	33,002	(13,245)
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 44,088	\$ 49,078	\$ 79,798	\$ 213,399	\$ 127,503	\$ 151,647
9	Total System kWh Sales	Monthly Fuel Filing	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745
10	DERP Avoided System Costs (¢/kWh)	Line 8 / Line 9* 100	0.001	0.001	0.002	0.004	0.002	0.002
11	SC Retail Sales kWh	Monthly Fuel Filing	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 4,605	\$ 5,285	\$ 7,915	\$ 21,082	\$ 11,704	\$ 15,774
13	SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Line 12 * Line 2	\$ 240	\$ 276	\$ 413	\$ 1,101	\$ 611	\$ 824
14	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	19,338,767	15,954,626	15,610,895	20,375,959	26,082,214	28,871,331
15	SC General Service (non-demand) DERP Avoided Cost (¢/kWh)	Line 13 / Line 14 * 100	0.001	0.002	0.003	0.005	0.002	0.003
16	SC General Service (non-demand) Rate Billed (¢/kWh)	2019-1-E, 2020-1-E	0.003	0.003	0.003	0.003	0.002	0.001
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16)*Line 14 /100	\$ (340)	\$ (203)	\$ (55)	\$ 490	\$ 62	\$ 534
18	Prior Year Balance	2020-1-E	(1,347)					
19	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ (1,687)	\$ (1,890)	\$ (1,944)	\$ (1,455)	\$ (1,393)	\$ (859)

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 94,673	\$ 79,786	\$ 107,074	\$ 58,784	\$ 57,035	\$ 55,118	\$ 1,066,085
21	Shared Solar Program	Monthly Fuel Filing	5,969	6,638	7,563	3,801	4,342	4,763	84,990
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 100,642	\$ 86,424	\$ 114,637	\$ 62,585	\$ 61,376	\$ 59,881	\$ 1,151,075
23	Total System kWh Sales	Monthly Fuel Filing	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,965
24	DERP Avoided System Costs (¢/kWh)	Line 22 / Line 23* 100	0.002	0.002	0.003	0.001	0.001	0.001	0.001
25	SC Retail Sales kWh	Monthly Fuel Filing	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,961
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 9,586	\$ 9,045	\$ 12,653	\$ 5,873	\$ 6,007	\$ 6,020	\$ 115,509
27	SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Line 26 * Line 2	\$ 500	\$ 472	\$ 661	\$ 307	\$ 380	\$ 381	\$ 6,166
28	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	26,354,172	19,410,329	18,129,415	21,994,496	24,190,985	23,113,727	259,426,915
29	SC General Service (non-demand) DERP Avoided Cost (¢/kWh)	Line 27 / Line 28 * 100	0.002	0.002	0.004	0.001	0.002	0.002	0.002
30	SC General Service (non-demand) Rate Billed (¢/kWh)	2020-1-E	0.001	0.001	0.001	0.001	0.001	0.001	0.001
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30)*Line 28 /100	\$ 236	\$ 278	\$ 480	\$ 87	\$ 138	\$ 150	\$ 1,856
32	Prior Year Balance	2020-1-E							(1,347)
33	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ (623)	\$ (344)	\$ 135	\$ 222	\$ 360	\$ 509	\$ 509

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 1
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DOCKET NO. 2021-1-E

Line No.	Class	Winter 2019 Firm Coincident Peak (CP) KWs	CP %	Summer 2020 Firm Coincident Peak (CP) KWs	CP %
1	Residential	617,032	52.93%	495,826	45.72%
2	General Service (non-demand)	60,868	5.22%	68,584	6.32%
3	General Service (demand)	487,930	41.85%	519,975	47.95%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,165,830	100.00%	1,084,385	100.00%

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
34	Purchased Power Agreements	DERP Model Output	\$ 53,039	\$ 118,340	\$ 153,826	\$ 122,824	\$ 1,514,098
35	Shared Solar Program	DERP Model Output	4,840	9,434	10,274	9,792	119,324
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 57,879	\$ 127,774	\$ 164,099	\$ 132,616	\$ 1,633,422
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288
38	DERP Avoided System Costs (¢/kWh)	Line 36 / Line 37 * 100	0.001	0.003	0.004	0.003	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,638
40	SC DERP Avoided Costs	Line 38 * Line 39 / 100	\$ 5,980	\$ 14,846	\$ 17,939	\$ 13,802	\$ 168,115
41	SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Line 40 * Line 2	\$ 378	\$ 939	\$ 1,135	\$ 873	\$ 9,490
42	Projected SC General Service (non-demand) kWh Sales	Exhibit 4 Page 4 Line 42	19,869,373	22,284,133	22,022,560	23,234,953	346,837,938
43	SC General Service (non-demand) DERP Avoided Cost (¢/kWh)	Line 41 / Line 42 * 100	0.002	0.004	0.005	0.004	0.005
44	SC General Service (non-demand) Rate Billed (¢/kWh)	2020-1-E	0.001	0.001	0.001	0.001	0.001
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ 179	\$ 716	\$ 914	\$ 641	\$ 4,307
46	Prior Year Balance	2020-1-E					(1,344)
47	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 45 + Line 46	\$ 689	\$ 1,405	\$ 2,319	\$ 2,960	\$ 2,960
48	SC Projected General Service (non-demand) kWh Sales July 2021 - June 2022	Exhibit 4 Page 4 Line 48					286,080,189
49	SC General Service (non-demand) DERP Avoided Costs Increment / (Decrement) (¢/kWh)	Line 47 / Line 48 * 100					0.001

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2020 - FEBRUARY 2021

Exhibit 13
Page 5 of 6
DOCKET NO. 2021-1-E

Line No.	Class	Winter 2019 Firm Coincident Peak (CP) KWs	CP %	Summer 2020 Firm Coincident Peak (CP) KWs	CP %
1	Residential	617,032	52.93%	495,826	45.72%
2	General Service (non-demand)	60,868	5.22%	68,584	6.32%
3	General Service (demand)	487,930	41.85%	519,975	47.95%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,165,830	100.00%	1,084,385	100.00%

Line No.	Description	Reference	Actual March 2020	Actual April 2020	Actual May 2020	Actual June 2020	Actual July 2020	Actual August 2020
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 38,507	\$ 42,314	\$ 68,382	\$ 205,003	\$ 94,501	\$ 164,892
7	Shared Solar Program	Monthly Fuel Filing	5,581	6,765	11,416	8,395	33,002	(13,245)
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 44,088	\$ 49,078	\$ 79,798	\$ 213,399	\$ 127,503	\$ 151,647
9	Total System kWh Sales	Monthly Fuel Filing	4,551,154,460	3,984,064,703	3,979,317,925	4,848,716,343	6,006,072,697	6,242,419,745
10	DERP Avoided System Costs (c/kWh)	Line 8 / Line 9* 100	0.001	0.001	0.002	0.004	0.002	0.002
11	SC Retail Sales kWh	Monthly Fuel Filing	475,339,510	428,996,176	394,682,108	479,011,331	551,334,960	649,342,576
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 4,605	\$ 5,285	\$ 7,915	\$ 21,082	\$ 11,704	\$ 15,774
13	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	Line 12 * Line 3	\$ 1,927	\$ 2,212	\$ 3,312	\$ 8,823	\$ 4,899	\$ 6,602
14	SC General Service (demand) kW Sales	Monthly Fuel Filing	780,728	724,996	710,711	774,806	756,245	903,356
15	SC General Service (demand) DERP Avoided Costs (c/kWh)	Line 13 / Line 14 * 100	0.247	0.305	0.466	1.139	0.648	0.731
16	SC General Service (demand) Rate Billed (c/kWh)	2019-1-E, 2020-1-E	-	-	-	-	1	2
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16)*Line 14 / 100	\$ 1,927	\$ 2,212	\$ 3,312	\$ 8,823	\$ (1,084)	\$ (7,015)
18	Prior Year Balance	2020-1-E	42,439					
19	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ 44,366	\$ 46,578	\$ 49,890	\$ 58,714	\$ 57,630	\$ 50,615

Line No.	Description	Reference	Actual September 2020	Actual October 2020	Actual November 2020	Actual December 2020	Actual January 2021	Actual February 2021	Review Period Twelve Months Ended February 2021
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 94,673	\$ 79,786	\$ 107,074	\$ 58,784	\$ 57,035	\$ 55,118	\$ 1,066,069
21	Shared Solar Program	Monthly Fuel Filing	5,969	6,638	7,563	3,801	4,342	4,763	84,990
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 100,642	\$ 86,424	\$ 114,637	\$ 62,585	\$ 61,376	\$ 59,881	\$ 1,151,059
23	Total System kWh Sales	Monthly Fuel Filing	5,338,880,459	4,343,607,027	4,431,179,871	4,960,795,339	5,567,430,188	5,405,413,208	59,659,051,965
24	DERP Avoided System Costs (c/kWh)	Line 22 / Line 23* 100	0.002	0.002	0.003	0.001	0.001	0.001	
25	SC Retail Sales kWh	Monthly Fuel Filing	508,527,077	454,579,019	489,073,119	465,537,555	544,883,614	543,390,922	5,984,697,967
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 9,586	\$ 9,045	\$ 12,653	\$ 5,873	\$ 6,007	\$ 6,020	\$ 115,548
27	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	Line 26 * Line 3	\$ 4,013	\$ 3,785	\$ 5,295	\$ 2,458	\$ 2,880	\$ 2,887	\$ 49,094
28	SC General Service (demand) kW Sales	Monthly Fuel Filing	700,944	721,696	843,476	655,480	711,921	758,175	9,042,535
29	SC General Service (demand) DERP Avoided Costs (c/kWh)	Line 27 / Line 28 * 100	0.57	0.52	0.63	0.38	0.40	0.38	0.54
30	SC General Service (demand) Rate Billed (c/kWh)	2020-1-E	2	2	1	2	2	2	
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30)*Line 28 / 100	\$ (9,340)	\$ (8,748)	\$ (7,111)	\$ (10,498)	\$ (9,197)	\$ (9,978)	\$ (46,695)
32	Prior Year Balance	2020-1-E							42,439
33	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ 41,275	\$ 32,527	\$ 25,417	\$ 14,919	\$ 5,722	\$ (4,256)	\$ (4,256)

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DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2021 - JUNE 2021

Exhibit 13
Page 6 of 6
DOCKET NO. 2021-1-E

Line No.	Class	Winter 2019 Firm Coincident Peak (CP) KWs	CP %	Summer 2020 Firm Coincident Peak (CP) KWs	CP %
1	Residential	617,032	52.93%	495,826	45.72%
2	General Service (non-demand)	60,868	5.22%	68,584	6.32%
3	General Service (demand)	487,930	41.85%	519,975	47.95%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,165,830	100.00%	1,084,385	100.00%

Line No.	Description	Reference	Estimated March 2021	Estimated April 2021	Estimated May 2021	Estimated June 2021	Sixteen Months Ended June 2021
34	Purchased Power Agreements	DERP Model Output	\$ 53,039	\$ 118,340	\$ 153,826	\$ 122,824	\$ 1,514,098
35	Shared Solar Program	DERP Model Output	4,840	9,434	10,274	9,792	119,329
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 57,879	\$ 127,774	\$ 164,099	\$ 132,616	\$ 1,633,428
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,799,386,806	4,260,831,791	4,348,895,916	5,093,027,810	78,161,194,288
38	DERP Avoided System Costs (¢/kWh)	Line 36 / Line 37* 100	0.001	0.003	0.004	0.003	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	495,854,642	495,064,662	475,407,063	530,057,299	7,981,081,633
40	SC DERP Avoided Costs	Line 38 * Line 39/ 100	\$ 5,980	\$ 14,846	\$ 17,939	\$ 13,802	\$ 168,115
41	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	Line 40 * Line 3	\$ 2,867	\$ 7,119	\$ 8,602	\$ 6,618	\$ 74,301
42	Projected SC General Service (demand) kW Sales	Exhibit 4 Page 6 Line 42	795,623	742,119	695,423	686,830	11,962,530
43	SC General Service (demand) DERP Avoided Costs (¢/kWh)	Line 41 / Line 42 * 100	0.360	0.959	1.237	0.964	0.621
44	SC General Service (demand) Rate Billed (¢/kWh)	2020-1-E	2	2	2	2	2
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44)*Line 42 /100	\$ (10,719)	\$ (7,724)	\$ (5,307)	\$ (7,118)	\$ (77,563)
46	Prior Year Balance	2020-1-E					42,439
47	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 45 + Line 46	\$ (14,975)	\$ (22,699)	\$ (28,005)	\$ (35,124)	\$ (35,124)
48	SC Projected General Service (demand) kW Sales July 2021 - June 2022	Exhibit 4 Page 6 Line 48					9,008,604
49	SC General Service (demand) DERP Avoided Cost Increment / (Decrement) (¢/kW)	Line 47 / Line 48 * 100					-

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATES JULY 2021 - JUNE 2022

Line No.	Class	Summer 2020 Firm Coincident Peak (CP) KWs	CP %
1	Residential	495,826	45.72%
2	General Service (non-demand)	68,584	6.32%
3	General Service (demand)	519,975	47.95%
4	Lighting	0	0.00%
5	Total SC	1,084,384	100.00%

Line No.	Description	Reference	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021
6	Purchased Power Agreements	DERP Model Output	\$ 125,896	\$ 120,456	\$ 103,704	\$ 99,561	\$ 84,858	\$ 75,817
7	Shared Solar Program	DERP Model Output	10,037	9,603	8,268	7,937	6,765	6,044
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 135,932	\$ 130,059	\$ 111,971	\$ 107,498	\$ 91,623	\$ 81,861
9	Projected Total System Sales	Exhibit 3 Line 9	5,998,569,935	5,987,851,586	5,323,852,943	4,523,257,832	4,323,526,822	5,016,762,180
10	DERP Avoided System Costs (¢/kWh)	Line 8 / Line 9 *100	0.002	0.002	0.002	0.002	0.002	0.002
11	Projected SC Retail Sales	Exhibit 3: (Line 13 - Line 10)	630,526,622	642,726,588	586,035,177	523,208,594	477,371,345	537,683,197
12	SC DERP Avoided Costs	Line 10 * Line 11 /100	\$ 14,288	\$ 13,960	\$ 12,325	\$ 12,434	\$ 10,116	\$ 8,774

Line No.	Description	Reference	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	Billing Period Twelve Months Ended June 2022
13	Purchased Power Agreements	DERP Model Output	\$ 77,135	\$ 82,785	\$ 105,473	\$ 117,749	\$ 153,183	\$ 122,212	\$ 1,268,827
14	Shared Solar Program	DERP Model Output	6,149	6,600	8,409	9,387	10,222	9,743	99,164
15	Total DERP Avoided Costs	Line 13 + Line 14	\$ 83,284	\$ 89,384	\$ 113,882	\$ 127,137	\$ 163,405	\$ 131,955	\$ 1,367,991
16	Projected Total System Sales	Exhibit 3 Line 25	5,602,649,406	5,378,344,414	4,926,717,856	4,288,018,381	4,403,701,291	5,167,165,757	60,940,418,402
17	DERP Avoided System Costs (¢/kWh)	Line 15 / Line 16 *100	0.001	0.002	0.002	0.003	0.004	0.003	0.002
18	Projected SC Retail Sales	Exhibit 3: (Line 29 - Line 26)	581,458,121	592,116,901	548,913,246	500,573,327	484,165,006	541,017,367	6,645,795,489
19	SC DERP Avoided Costs	Line 17 * Line 18 /100	\$ 8,643	\$ 9,841	\$ 12,688	\$ 14,842	\$ 17,966	\$ 13,816	\$ 149,694
SC DERP Avoided Costs Allocated on Firm CP kWh									
20	Residential	Total Line 19 * Line 1						\$	68,446
21	General Service (non-demand)	Total Line 19 * Line 2							9,468
22	General Service (demand)	Total Line 19 * Line 3							71,780
23	Lighting	Total Line 19 * Line 4							-
24	Total SC	Sum Lines 20:23						\$	149,694
Projected SC Retail Sales kWh (July 2021 - June 2022)									
25	Residential	Exhibit 4 Page 2 Line 48							2,318,240,848
26	General Service (non-demand)	Exhibit 4 Page 4 Line 48							286,080,189
27	General Service (demand)	Exhibit 5 Line 29							3,947,234,727
28	Lighting	Exhibit 5 Line 30							94,239,725
29	Total SC	Sum Lines 25:28							6,645,795,489
SC DERP Avoided Costs ¢/kWh									
30	Residential	Line 20 / Line 25 * 100							0.003
31	General Service (non-demand)	Line 21 / Line 26 * 100							0.003
32	Lighting	Line 23 / Line 28 * 100							0.000
33	Projected SC KW Sales (General Service demand)	Exhibit 4 Page 6 Line 48							9,008,604
34	General Service (Demand) charge for SC DERP Avoided Costs	Line 22 / Line 33 * 100							1